



# STIC Search Report

EIC 3700

STIC Database Tracking Number: 150124

TO: Alissa Hoey  
Location: RND 7d64  
Art Unit: 3765

Case Serial Number: 10/798807

From: Jeanne Horrigan  
Location: RND 8A34  
Phone: 571-272-3529

jeanne.horrigan@uspto.gov

## Search Notes

Attached are the search results for the "earth suit."

I tagged the references that I thought were most useful, but I suggest that you review ALL of the results.

Also attached is a search feedback form. Completion of the form is voluntary. Your completing this form would help us improve our search services.

I hope the attached information is useful. Please feel free to contact me if you have any questions or need additional searching on this application.



# STIC Search Results Feedback Form

**EIC 3700**

Questions about the scope or the results of the search? Contact *the EIC searcher or contact:*

**John Sims, EIC 3700 Team Leader**  
RND 8B35, Phone 2-3507

## Voluntary Results Feedback Form

➤ I am an examiner in Workgroup:  Example: 3730

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

*Types of relevant prior art found:*

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature  
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

**Comments:**

**Drop off or send completed forms to STIC/EIC3700 RND 8B31**



3,11,24

Access DB# 150124

Push

# SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Alissa Hoey Examiner #: 76950 Date: 4/6/05  
Art Unit: 3765 Phone Number 301-571-272-4985 Serial Number: 10/798,807  
Mail Box and Bldg/Room Location: 7D-64 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Universal Earth Suit

Inventors (please provide full names): George L. Matthews (AL)

Earliest Priority Filing Date: 7/18/02

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Bodysuit/coverall

crotch opening extending through to the  
wearer's back - above the waistband portion.

Rec'd 4/7/05 8:20a 28.

| STAFF USE ONLY                     |                       | Type of Search         | Vendors and cost where applicable |
|------------------------------------|-----------------------|------------------------|-----------------------------------|
| Searcher: <u>Jeanne Harrison</u>   | NA Sequence (#) _____ | STN _____              |                                   |
| Searcher Phone #: <u>23529</u>     | AA Sequence (#) _____ | Dialog _____           |                                   |
| Searcher Location: _____           | Structure (#) _____   | Questel/Orbit _____    |                                   |
| Date Searcher Picked Up: _____     | Bibliographic _____   | Dr.Link _____          |                                   |
| Date Completed: _____              | Litigation _____      | Lexis/Nexis _____      |                                   |
| Searcher Prep & Review Time: _____ | Fulltext _____        | Sequence Systems _____ |                                   |
| Clerical Prep Time: _____          | Patent Family _____   | WWW/Internet _____     |                                   |
| Online Time: _____                 | Other _____           | Other (specify) _____  |                                   |

File 609:Bridge World Markets 2000-2001/Oct 01  
(c) 2001 Bridge  
File 610:Business Wire 1999-2005/Apr 12  
(c) 2005 Business Wire.  
File 613:PR Newswire 1999-2005/Apr 12  
(c) 2005 PR Newswire Association Inc  
File 809:Bridge World Markets News 1989-1999/Dec 31  
(c) 1999 Bridge  
File 810:Business Wire 1986-1999/Feb 28  
(c) 1999 Business Wire  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc  
File 20:Dialog Global Reporter 1997-2005/Apr 13  
(c) 2005 The Dialog Corp.

| Set | Items   | Description  |
|-----|---------|--|
| S1  | 48503   | WAIST? ? OR WAISTBAND? ? OR WAISTLINE? ? OR LOWER()BACK OR<br>SMALL(1W)BACK  |
| S2  | 5692383 | BACK   |
| S3  | 6114    | ZIPPER?  |
| S4  | 285606  | PANTS OR TROUSERS OR SLACKS OR SHORTS OR BREECHES OR BRITC-<br>HES OR PANTALOONS OR JEANS OR BLUEJEANS OR PLAYSUIT? ? OR FLI-<br>GHTSUIT? ? OR BOILERSUIT? ? OR JUMPSUIT? ? OR WETSUIT? ? OR D-<br>RYSUIT? ? OR SPACESUIT? ? OR EARTHSUIT? ? OR BODYSUIT? ? OR C-<br>OVERALL? ? OR |
| S5  | 7215    | (PLAY OR FLIGHT OR BOILER OR JUMP OR WET OR DRY OR SPACE OR<br>BODY OR EARTH OR EXPOSURE) ()SUIT? ?  |
| S6  | 143     | ONE()PIECE() (SUIT? ? OR GARMENT? ? OR UNIFORM? ?)   |
| S7  | 3108    | CROTCH OR CROTCHES   |
| S8  | 70091   | ZIP?   |
| S9  | 24      | S7(5N)S8   |
| S10 | 17      | S4:S6 AND S9   |
| S11 | 17      | RD (unique items)  |
| S12 | 13      | S11/2003:2005  |
| S13 | 4       | S11 NOT S12[not relevant]  |
| S14 | 7       | S9 NOT S10   |
| S15 | 7       | RD (unique items) [not relevant]   |
| S16 | 488     | S4:S6(S)S7   |
| S17 | 24      | S8(S)S16   |
| S18 | 15      | S17 NOT S9   |
| S19 | 15      | RD (unique items)  |
| S20 | 5       | S19/2003:2005  |
| S21 | 10      | S19 NOT S20  |
| S22 | 10      | Sort S21/ALL/PD,A [not relevant]   |

File 8:EI Compendex(R) 1970-2005/Apr W1  
(c) 2005 Elsevier Eng. Info. Inc.  
File 65:Inside Conferences 1993-2005/Apr W2  
(c) 2005 BLDSC all rts. reserv.  
File 67:World Textiles 1968-2005/Apr  
(c) 2005 Elsevier Science Ltd.  
File 94:JICST-EPlus 1985-2005/Feb W4  
(c)2005 Japan Science and Tech Corp(JST)  
File 95:TEME-Technology & Management 1989-2005/Feb W4  
(c) 2005 FIZ TECHNIK  
File 99:Wilson Appl. Sci & Tech Abs 1983-2005/Mar  
(c) 2005 The HW Wilson Co.

File 144:Pascal 1973-2005/Apr W1  
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 File 111:TGG Natl.Newspaper Index(SM) 1979-2005/Apr 12  
 (c) 2005 The Gale Group  
 File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
 (c) 2002 The Gale Group  
 File 474:New York Times Abs 1969-2005/Apr 12  
 (c) 2005 The New York Times  
 File 475:Wall Street Journal Abs 1973-2005/Apr 12  
 (c) 2005 The New York Times  
 File 35:Dissertation Abs Online 1861-2005/Mar  
 (c) 2005 ProQuest Info&Learning

| Set | Items  | Description  |
|-----|--------|--|
| S1  | 9328   | WAIST? ? OR WAISTBAND? ? OR WAISTLINE? ? OR LOWER()BACK OR SMALL(1W)BACK   |
| S2  | 385160 | BACK   |
| S3  | 3609   | ZIPPER?  |
| S4  | 12539  | PANTS OR TROUSERS OR SLACKS OR SHORTS OR BREECHES OR BRITC-HES OR PANTALOONS OR JEANS OR BLUEJEANS OR PLAYSUIT? ? OR FLI-GHTSUIT? ? OR BOILERSUIT? ? OR JUMPSUIT? ? OR WETSUIT? ? OR D-RYSUIT? ? OR SPACESUIT? ? OR EARTHSUIT? ? OR BODYSUIT? ? OR C-OVERALL? ? OR |
| S5  | 949    | (PLAY OR FLIGHT OR BOILER OR JUMP OR WET OR DRY OR SPACE OR BODY OR EARTH OR EXPOSURE) () SUIT? ?  |
| S6  | 27     | ONE()PIECE() (SUIT? ? OR GARMENT? ? OR UNIFORM? ?)   |
| S7  | 705    | CROTCH OR CROTCHES   |
| S8  | 7      | S1:S2 AND S3 AND S4:S6   |
| S9  | 6      | RD (unique items)  |
| S10 | 1      | S3 AND S4:S6 AND S7  |
| S11 | 0      | S10 NOT S8   |
| S12 | 228547 | ZIP? OR OPENING? ?   |
| S13 | 11     | S4:S6 AND S7 AND S12   |
| S14 | 10     | S13 NOT S8   |
| S15 | 8      | RD (unique items)  |

9/7/1 (Item 1 from file: 8)

DIALOG(R)File 8:Ei Compendex(R)

(c) 2005 Elsevier Eng. Info. Inc. All rts. reserv.

01299431 E.I. Monthly No: EIM8305-034712

Title: WORK CLOTHING DESIGN SUITABLE FOR THE NEEDS OF LOW COAL MINERS.

Author: Selan, Joseph L.; Caddel, Doris K.; Ayoub, M. M.; Smith, James L.; Peay, Jim

Corporate Source: Tex Tech Univ, Lubbock, USA

Conference Title: Proceedings of the Human Factors Society 26th Annual Meeting.

Conference Location: Seattle, Wash, USA Conference Date: 19821025

Sponsor: Hum Factors Soc, Santa Monica, Calif, USA

E.I. Conference No.: 02052

Source: Proceedings of the Human Factors Society 26th Annu Meet. Publ by Hum Factors Soc, Santa Monica, Calif, USA p 508-511

Publication Year: 1982  
CODEN: PHFSDQ  
Language: English  
Document Type: PA; (Conference Paper)  
Journal Announcement: 8305

9/7/4 (Item 3 from file: 67)  
DIALOG(R)File 67:World Textiles  
(c) 2005 Elsevier Science Ltd. All rts. reserv.  
00235385 WORLD TEXTILE NO: 1979246 SUBFILE: EMDOCS  
**Neck entry wetsuit**  
AUTHOR(S): O'Neill Inc.; Hunter J.D.; Moore B.Y.  
Official Gazette of the U.S. Patent and Trademark Office - Patents, 1222/1  
, 1999  
PUBLICATION DATE: May 4, 1999  
COUNTRY OF PUBLICATION: United States  
DOCUMENT TYPE: Journal; Patent  
RECORD TYPE: ABSTRACT  
ISSN: 0098-1133  
PATENT NO: USP 5,898,934  
PATENT PUBLICATION DATE: 60,341, Apr. 14 1998  
LANGUAGES: ENGLISH  
A neck-entry **wetsuit** with a closure loop panel, a collar panel, **zipper**  
panels and a **back** panel. Collar panel forms an outer neck opening with a  
cut out region that allows the outer neck opening to expand. **Back** panel  
is form to ride against a person's **back** and itself forms part of an inner  
neck opening that expands to allow entry into and out of the **wetsuit** .  
A41D 7/00.

9/7/6 (Item 1 from file: 95)  
DIALOG(R)File 95:TEME-Technology & Management  
(c) 2005 FIZ TECHNIK. All rts. reserv.  
01306574 T99040371130  
**Technical data for the production of men's trousers**  
(Technische Daten fuer die Produktion von Herrenhosen)  
anonym  
Duerkopp Adler, Bielefeld, D  
J.S.N. International, v27, nNov, pp35-45, 1998  
Document type: journal article Language: English  
Record type: Abstract  
ABSTRACT:  
Dargelegt werden ein Verfahrensplan, eine Anlagenplanung und ein  
Arbeitsplan fuer eine Produktion von 1500 Hosen in 480 min. Die technischen  
Daten fuer die Produktion von Herrenhosen stammen von dem Unternehmen  
Duerkopp Adler, Bielefeld. Die Maschinenselektion reflektiert einen hohen  
Automationsgrad. Fuer kleinere Produktionen koennen anstelle der  
automatischen Zyklusmaschinen Standardsteppstichnaehmaschinen verwendet  
werden. Bei diesem Beispiel liegt die Maschinenausnutzung bei 86 % und  
variiert mit dem Automationsgrad und der Produktionsgroesse. Der gesamte  
Fertigungsprozess wird in 5 zentrale Fertigungsschritte mit insgesamt 51  
Arbeitsschritten untergliedert. Neben den Beschreibungen der  
Fertigungsschritte und der Arbeitsschritte liegen Angaben zu den  
Bearbeitungszeiten und Beschreibungen zu den notwendigen  
Maschinenausstattungen vor. Bei den 5 zentralen Fertigungsschritten handelt  
es sich um das Heissssiegeln und die Vorbereitung, um die Vorfertigung der

kleinen Teile, um die Vorfertigung der oberen Stoffteile, um die Montage sowie um das Buegelpressen und die Endmontage. Der Fertigungsschritt Heissriegeln und Vorbereitung umfasst 3 Arbeitsschritte. Alle Hosenteile werden fuer die Naehabteilung vorbereitet. Dafuer ist ein Arbeitstisch erforderlich, dessen Arbeitsflaeche 2 m mal 1 m gross ist. Der Fertigungsschritt Vorfertigung der kleinen Teile besteht aus 8 Arbeitsschritten. Zu den kleinen Teilen gehoeren der Hosenbund, die Taschen, die Taschenklappen, die Guertelschlaufen, der Reissverschluss und das Etikett. Der Fertigungsschritt Vorfertigung der oberen Stoffteile umfasst 13 Arbeitsschritte. In diesem Fertigungsschritt werden die Abnaeher in die Hosenteile genaht. Der Fertigungsschritt Montage besteht aus 23 Arbeitsschritten. Die Montage ist mit dem groessten Zeitaufwand verbunden. In diesem Fertigungsschritt geht es um das Zusammenfuegen aller Teile einer Hose. Der Fertigungsschritt Buegelpressen und Endmontage umfasst 4 Arbeitsschritte. Neben dem Buegelpressen, dem Annaehen des Knopfes an den Hosenbund erfolgt im letzten Fertigungsschritt auch die Qualitaetskontrolle.

15/7/3 (Item 3 from file: 67)  
DIALOG(R)File 67:World Textiles  
(c) 2005 Elsevier Science Ltd. All rts. reserv.  
00244964 WORLD TEXTILE NO: 1990103 SUBFILE: EMDOCS  
**Women's pants with crotch opening**  
Medical Textiles, -/MAY (7), 2000  
COUNTRY OF PUBLICATION: United Kingdom  
DOCUMENT TYPE: Journal; Article  
RECORD TYPE: ABSTRACT  
ISSN: 0266-2078  
TRADE NAME: Lycra  
LANGUAGES: ENGLISH SUMMARY LANGUAGES: ENGLISH  
This article describes a pull-on garment that provides easy access to the female anatomy, as an alternative to the traditional frontal, fly type **openings** featured in men's **pants**. The **crotch opening** is covered by a removable 'saddle flap' which is affixed to the seat region of the garment. The garment is made from a wide variety of materials, including stretch cotton/Lycra blends for apparel. The garment offers improved access and convenience for women.

15/7/4 (Item 4 from file: 67)  
DIALOG(R)File 67:World Textiles  
(c) 2005 Elsevier Science Ltd. All rts. reserv.  
00238211 WORLD TEXTILE NO: 1982063 SUBFILE: EMDOCS  
**Pant garment having an opening optimized for the female anatomy**  
AUTHOR(S): Carter-Scott-Pomije C.  
Official Gazette of the U.S. Patent and Trademark Office - Patents, 1225/1, 1999  
COUNTRY OF PUBLICATION: United States  
DOCUMENT TYPE: Journal; Patent  
RECORD TYPE: ABSTRACT  
ISSN: 0098-1133  
PATENT NO: USP 5 930 838  
PATENT PUBLICATION DATE: Application: 844998, 23 Apr 1997  
LANGUAGES: ENGLISH  
A pant or short garment has a female body **crotch opening** in the **crotch** region of the garment. The **crotch opening** is covered by a removable saddle flap which is firmly affixed to the seat of the garment and is

attachable at the inner left and right leg region and a frontal **crotch** region of the garment by a closure such as a Velcro.TM.closure. Thus, in place of the traditional frontal, fly-type **opening** for a pant garment, the illustrative garment provides easy access for the female anatomy. IPC A41D.

15/7/5 (Item 5 from file: 67)  
DIALOG(R)File 67:World Textiles  
(c) 2005 Elsevier Science Ltd. All rts. reserv.  
00177099 WORLD TEXTILE NO: 1919279 SUBFILE: UMIST Library  
**Protective coveralls with improved ventilation**  
AUTHOR(S): Du Pont de Nemours & Co. E.I.; Lewis M.A.; Mason J.S.; Swinford  
C.B.; Wiseman T.R.  
1991, 1991  
DOCUMENT TYPE: Patents; Patent  
RECORD TYPE: ABSTRACT  
PATENT NO: USP 5 007 112  
PRIORITY APPLICATION: 16 April 1991 Application: 444497, 30 November 1989  
A one-piece protective **coverall** for providing a barrier and thermal protection against hot and/or cold corrosive liquids comprises a woven aramid fabric outer shell covered by a liquid-impervious layer with an inner, multilayer, thermally-insulating liner inside the outer shell. There are **openings** under each arm of the liner and along the inside of each leg extending from the **crotch** for ventilation. A stretchable, air-permeable fabric is attached to the liner for covering each **opening**. IPC A41D.



File 387:The Denver Post 1994-2005/Apr 12  
(c) 2005 Denver Post  
File 471:New York Times Fulltext 1980-2005/Apr 13  
(c) 2005 The New York Times  
File 492:Arizona Repub/Phoenix Gaz 1986-2002/Jan 06  
(c) 2002 Phoenix Newspapers  
File 494:St LouisPost-Dispatch 1988-2005/Apr 11  
(c) 2005 St Louis Post-Dispatch  
File 498:Detroit Free Press 1987-2005/Mar 31  
(c) 2005 Detroit Free Press Inc.  
File 631:Boston Globe 1980-2005/Apr 12  
(c) 2005 Boston Globe  
File 633:Phil.Inquirer 1983-2005/Apr 11  
(c) 2005 Philadelphia Newspapers Inc  
File 638:Newsday/New York Newsday 1987-2005/Apr 11  
(c) 2005 Newsday Inc.  
File 640:San Francisco Chronicle 1988-2005/Apr 13  
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File 641:Rocky Mountain News Jun 1989-2005/Apr 11  
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File 702:Miami Herald 1983-2005/Apr 11  
(c) 2005 The Miami Herald Publishing Co.  
File 703:USA Today 1989-2005/Apr 12  
(c) 2005 USA Today  
File 704:(Portland)The Oregonian 1989-2005/Apr 10  
(c) 2005 The Oregonian  
File 713:Atlanta J/Const. 1989-2005/Apr 10  
(c) 2005 Atlanta Newspapers  
File 714:(Baltimore) The Sun 1990-2005/Apr 12  
(c) 2005 Baltimore Sun  
File 715:Christian Sci.Mon. 1989-2005/Apr 13  
(c) 2005 Christian Science Monitor  
File 725:(Cleveland)Plain Dealer Aug 1991-2005/Apr 11  
(c) 2005 The Plain Dealer  
File 735:St. Petersburg Times 1989- 2005/Apr 10  
(c) 2005 St. Petersburg Times

| Set | Items   | Description   |
|-----|---------|---|
| S1  | 88575   | WAIST? ? OR WAISTBAND? ? OR WAISTLINE? ? OR LOWER()BACK OR SMALL(1W) BACK   |
| S2  | 4545482 | BACK  |
| S3  | 14821   | ZIPPER?   |
| S4  | 323297  | PANTS OR TROUSERS OR SLACKS OR SHORTS OR BREECHES OR BRITCHES OR PANTALOONS OR JEANS OR BLUEJEANS OR PLAYSUIT? ? OR FLIGHTSUIT? ? OR BOILERSUIT? ? OR JUMPSUIT? ? OR WETSUIT? ? OR DRY SUIT? ? OR SPACESUIT? ? OR EARTHSUIT? ? OR BODYSUIT? ? OR COVERALL? ? OR |
| S5  | 10289   | (PLAY OR FLIGHT OR BOILER OR JUMP OR WET OR DRY OR SPACE OR BODY OR EARTH OR EXPOSURE) () SUIT? ?   |
| S6  | 559     | ONE()PIECE() (SUIT? ? OR GARMENT? ? OR UNIFORM? ?)  |
| S7  | 6031    | CROTCH OR CROTCHES  |
| S8  | 1089324 | ZIP? OR OPENING? ?  |
| S9  | 7564    | (S1 OR S2 OR S7) (3N) (S3 OR S8)  |
| S10 | 199     | S4:S6(S)S9  |
| S11 | 71      | S1(S)S10  |
| S12 | 18      | S7(S)S10  |
| S13 | 102964  | ZIP?  |

|     |     |  |
|-----|-----|--|
| S14 | 171 | S13(S)S10                                  |
| S15 | 87  | S11:S12                                    |
| S16 | 86  | S4:S6(10N)S15                              |
| S17 | 9   | S16/2003:2005                              |
| S18 | 77  | S16 NOT S17                                |
| S19 | 2   | S11 AND S12 AND S18                        |
| S20 | 1   | S15 NOT (S16 OR S19)                       |
| S21 | 1   | S18/2002 [too recent]                      |
| S22 | 74  | S18 NOT S19:S21                            |
| S23 | 18  | (S4/TI,LP OR S5/TI,LP OR S6/TI,LP) AND S22 |
| S24 | 18  | Sort S23/ALL/PD,A                          |
| S25 | 16  | S7(1N)S8                                   |
| S26 | 14  | S25 NOT (S19:S21 OR S23)                   |
| S27 | 0   | S26/2003:2005                              |
| S28 | 14  | Sort S26/ALL/PD,A [not relevant]           |

19/3,K/1 (Item 1 from file: 631)  
DIALOG(R)File 631:Boston Globe  
(c) 2005 Boston Globe. All rts. reserv.  
08258087

THE ANSWER TO EVERY WOMEN'S PRAYERS AT LAST, CLOTHES THAT MAKE IT EASIER TO  
ANSWER NATURE'S CALL

Boston Globe (BG) - THURSDAY, September 14, 1995

By: Julie Hatfield, Globe Staff

Edition: THIRD Section: LIVING Page: 49

Word Count: 1,267

...got mad."

She calls the design a "female-friendly" garment. It is, in essence, a **crotch fly** -- a portion of a pant garment that can be constructed on any pair of underpants or outer **pants**, **akin to a large fly opening, from front to back**. With it, a woman can use the facilities, indoors or out, in a way similar...

...in them.

Nothing on the outside of the garments indicates that there is a **special opening from front to back, practically from waist to waist**. She already has an idea of how to advertise it. "I'd like to show a film of a woman in a **jumpsuit** trying to use the facilities in an economy coach airplane," she said with a laugh...

24/3,K/9 (Item 9 from file: 704)  
DIALOG(R)File 704:(Portland)The Oregonian  
(c) 2005 The Oregonian. All rts. reserv.  
07196066

WIND PANT FOR WOMEN

Oregonian (PO) - THURSDAY, July 15, 1993

By: MICHAEL HODGSON

Edition: FOURTH Section: SPORTS NORTHWEST OUTDOORS Page: 04

Word Count: 312

TEXT:

...**zipper in the crotch** allowing women to relieve themselves without having to completely remove the **pants**. Available in sizes XS to XXL. Comes in loden green, tan, teal, black and royal...

... the functional category. Velcro closures at pant cuffs minimize excess fabric flap and snugs the **pants** around boot tops. Knees are double reinforced for added durability when scrambling. Zipper has a...

...drying and water-repellent.

CON: The hidden zipper along the center seam of the wind pants is, by necessity, very small which makes it difficult to grasp when wet (from rain ...

...system of overlapping panels and hidden zippers is a dream-come-true.

SUGGESTED RETAIL: Wind Pants \$42. Company: Outside Interests, Inc., 4315 Oliver Ave. North, Minneapolis, Minn., 55412; 1-612-529...

24/3,K/12 (Item 12 from file: 714)  
DIALOG(R)File 714:(Baltimore) The Sun  
(c) 2005 Baltimore Sun. All rts. reserv.  
09501005

OUTERWEAR HAS GONE HIGH-TECH; FASHION: FROM PANTS TO PARKAS, SNOW CLOTHES ARE LOADED WITH OPTIONS AND LOTS OF ZIPPERS.

BALTIMORE MORNING SUN (BS) - Thursday January 1, 1998

By: Susan Phinney SEATTLE POST-INTELLIGENCER

Edition: Final

Section: Features

Page: 1E

Word Count: 1,024

...jacket? It's for your radio antenna. How silly of me not to know that.

Pants can have zippers from waist to ankles, more zippers on pockets, extra padding or elastic inserts.

Talk to the people who make this stuff...

24/3,K/17 (Item 17 from file: 638)  
DIALOG(R)File 638:Newsday/New York Newsday  
(c) 2005 Newsday Inc. All rts. reserv.  
10634052

QUEENS DIARY / Styles Fashioned With a Function / A Forest Hills designer specializes in smart-looking clothing that caters to the needs of the ailing

Newsday (ND) - Saturday May 13, 2000

By: Mae M. Cheng. STAFF WRITER

Edition: QUEENS Section: QUEENS LIFE Page: G03

Word Count: 1,254

TEXT:

...retirement residence in that community, recently viewed what Berk calls her Wellness Collection: dresses, nightgowns, pants and jackets that were inspired by Lillian Feinman - Berk's mother - when Feinman, "a woman...

...when she was sitting and easy for her aide to put it on her. Her pants had snaps on the inseams because she was incontinent. This way it was easy to...

...a light-blue jacket she was wearing. Each style from a range of dresses, tops, pants and nightgowns also had a name, recalling people who shared the Alzheimer's unit where...

...six years.

"Annie" liked to wear jackets, Berk told the audience.

"Bessie," a pair of pants, was named after someone "who only liked to wear pants."

The line included: "Dorothy," a classic dress with front zipper and front pockets in prints...

...a shirt jacket, a high-waist, split-skirt dress with inseam snaps, or a high-waist Polar fleece sleeveless jumpsuit.

"These prices are very reasonable because you can't get anything decent in the store..."

File 9:Business & Industry(R) Jul/1994-2005/Apr 12  
 (c) 2005 The Gale Group  
 File 16:Gale Group PROMT(R) 1990-2005/Apr 13  
 (c) 2005 The Gale Group  
 File 160:Gale Group PROMT(R) 1972-1989  
 (c) 1999 The Gale Group  
 File 47:Gale Group Magazine.DB(TM) 1959-2005/Apr 13  
 (c) 2005 The Gale group  
 File 148:Gale Group Trade & Industry DB 1976-2005/Apr 13  
 (c)2005 The Gale Group  
 File 621:Gale Group New Prod.Annou.(R) 1985-2005/Apr 13  
 (c) 2005 The Gale Group  
 File 649:Gale Group Newswire ASAP(TM) 2005/Apr 05  
 (c) 2005 The Gale Group  
 File 635:Business Dateline(R) 1985-2005/Apr 12  
 (c) 2005 ProQuest Info&Learning  
 File 636:Gale Group Newsletter DB(TM) 1987-2005/Apr 13  
 (c) 2005 The Gale Group  
 File 484:Periodical Abs Plustext 1986-2005/Apr W1  
 (c) 2005 ProQuest

| Set | Items   | Description  |
|-----|---------|--|
| S1  | 58160   | WAIST? ? OR WAISTBAND? ? OR WAISTLINE? ? OR LOWER()BACK OR SMALL(1W)BACK   |
| S2  | 4465916 | BACK   |
| S3  | 25722   | ZIPPER?  |
| S4  | 284116  | PANTS OR TROUSERS OR SLACKS OR SHORTS OR BREECHES OR BRITC-<br>HES OR PANTALOONS OR JEANS OR BLUEJEANS OR PLAYSUIT? ? OR FLI-<br>GHTSUIT? ? OR BOILERSUIT? ? OR JUMPSUIT? ? OR WETSUIT? ? OR D-<br>RYSUIT? ? OR SPACESUIT? ? OR EARTHSUIT? ? OR BODYSUIT? ? OR C-<br>OVERALL? ? OR |
| S5  | 7233    | (PLAY OR FLIGHT OR BOILER OR JUMP OR WET OR DRY OR SPACE OR<br>BODY OR EARTH OR EXPOSURE)()SUIT? ?   |
| S6  | 631     | ONE()PIECE() (SUIT? ? OR GARMENT? ? OR UNIFORM? ?)   |
| S7  | 5150    | CROTCH OR CROTCHES   |
| S8  | 159371  | ZIP?   |
| S9  | 2709    | S8(5N)S1:S2  |
| S10 | 429     | S4:S6(S)S9   |
| S11 | 8       | S7(S)S10   |
| S12 | 6       | RD (unique items)  |
| S13 | 91      | S4:S6/TI,DE,AB AND S10   |
| S14 | 90      | S13 NOT S11  |
| S15 | 72      | RD (unique items)  |
| S16 | 16      | S15/2003:2005  |
| S17 | 56      | S15 NOT S16  |
| S18 | 56      | Sort S17/ALL/PD,A  |
| S19 | 45      | S8(5N)S7   |
| S20 | 37      | S4:S6 AND S19  |
| S21 | 36      | S20 NOT S11  |
| S22 | 30      | RD (unique items)  |
| S23 | 6       | S22/2003:2005  |
| S24 | 24      | S22 NOT S23  |
| S25 | 24      | Sort S24/ALL/PD,A  |
| S26 | 55      | S17 NOT S19  |
| S27 | 55      | Sort S26/ALL/PD,A  |

DIALOG(R)File 484:Periodical Abs Plustext  
(c) 2005 ProQuest. All rts. reserv.  
05454416 SUPPLIER NUMBER: 103548959 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**2002 Product Buying Guide: Ride hard? Try these**  
Phillips, Matt  
Mountain Bike (BPMB), v18 n3, p42  
Mar 2002  
ISSN: 0897-5213 JOURNAL CODE: BPMB  
DOCUMENT TYPE: Product Review-Favorable  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 380  
TEXT:

... Lasting forever looks like an easily achievable goal for the Rally  
**shorts** . Made from Wearnyl Nylon, 1000 denier Cordura and 500 denier  
Scholler stretch, and seam thread that looks thicker than most home wiring,  
these **shorts** are practically armor plated. Details include a mesh lining  
for the front part of the short, the Superfly codpiece/belt system that  
allows for three inches of **waist** -size adjustment, a pair of **zippered**  
cargo pockets, room for hip and tailbone pads and a 13-inch inseam length.  
With...  
...tend to fall just below the knee when standing. The cut is generous, but  
the **crotch** is cut tight to eliminate snagging on the saddle.  
For the first several rides, the...

25/3,K/1 (Item 1 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2005 The Gale group. All rts. reserv.  
03456854 SUPPLIER NUMBER: 09184771 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Rubber soul. (Dream Dresser) (company profile)**  
Green, Alan  
Regardie's Magazine, v10, n11, p27(3)  
July, 1990  
DOCUMENT TYPE: company profile ISSN: 0279-5965 LANGUAGE: ENGLISH  
RECORD TYPE: FULLTEXT  
WORD COUNT: 2001 LINE COUNT: 00154  
... jockstrap with the fully adjustable, detachable metal ring is big,  
although the funky leather short **shorts** with the **zippered crotch** are  
also moving nicely; for women, the slinky patent lingerie that stretches  
more ways than...

25/3,K/10 (Item 10 from file: 484)  
DIALOG(R)File 484:Periodical Abs Plustext  
(c) 2005 ProQuest. All rts. reserv.  
02232057 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Harvey's Fun Set suit**  
Walker, Jim  
Skin Diver (GSKD), v44 n2, p22, 43  
Feb 1995  
ISSN: 0037-6345 JOURNAL CODE: GSKD  
DOCUMENT TYPE: Product Review-Favorable  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 721 LENGTH: Medium (10-30 col inches)  
ABSTRACT: Walker reviews Harvey's Fun Set **wetsuit** .  
TEXT:  
... local beach in the winter to very warm at a tropical island resort.  
Consequently, a **wetsuit** adaptable to a variety of temperatures would be a

definite asset. Harvey's has just...  
...of water temperatures. How? By layering.

The Fun Set is a two piece garment--a **jumpsuit** and sleeveless shortie. In the warmest waters you can wear the shortie only. In cooler waters you can switch to the **jumpsuit** and in cold water you can wear the shortie over the **jumpsuit**. While this isn't a novel idea, the Fun Set is particularly suited to these...

...is sewn over exposed edges of the suit for protection, comfort and a classy look.

**JUMPSUIT** : The panels of pattern that flows over the body's curves with a sleek, hydrodynamic...

...of the available colors to create combinations that rival those of brilliant reef fish.

The **jumpsuit** has a sturdy, noncorrodible plastic YKK zipper down the spine. The zipper pull has a...

...water entry, the zipper is backed by a wide panel of neatly trimmed neoprene.

The **jumpsuit** also features a high collar to reduce water entry and sewn on kneepads for protection from punctures and abrasion.

**SHORTIE**: With a high tech cut and construction just like the **jumpsuit**, the Fun Set's sleeveless shortie features short legs for increased warmth and a **crotch** gusset for comfort. The **zipper** is just like that on the **jumpsuit** but this one runs down the front.

25/3,K/14 (Item 14 from file: 484)  
DIALOG(R)File 484:Periodical Abs Plustext  
(c) 2005 ProQuest. All rts. reserv.  
02935785 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Trail** trousers  
Gorman, Jim  
Backpacker (GBAC), v24 n7, p78-87  
Sep 1996

ISSN: 0277-867X JOURNAL CODE: GBAC  
DOCUMENT TYPE: Product Review-Comparative  
LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 3728 LENGTH: Long (31+ col inches)  
ABSTRACT: Outdoor Research Flex Tex **Pants** / Patagonia Talus **Pants** /  
REI Sahara Convertible **Pants** / Royal Robbins Rip-Stop Bouldering **Pants**  
/ Sierra Designs Briar **Pants** / The North Face Tibetan Hiking **Pants** .  
TEXT:

...began to unravel during my tests. Sizes: Unisex XS-XL. Price: \$109.

**REI Sahara Convertible Pants** These rugged, baggy pants earned high marks for versatility and value. Made of 100 percent nylon, the Sahara Convertibles...

...thanks to the lightness of the fabric, ample room through the thighs and buttocks, gusseted crotch, and zip -off legs. If anything, these pants may be too baggy. In a stiff breeze they flap like a sail and all...  
...with Velcro-like closures.

And talk about versatility. I was comfortably cool in the Sahara **Pants** backpacking in New York's Harriman State Park in spring warmth, while at the same...

...used to, since they initially feel like two hula hoops encircling your legs. But the **pants** ' loose cut guarantees leg zippers won't chafe. Under a hipbelt, the extra-wide elastic...

...barely perceptible, although all that nylon gathered in one place generated some sweat underneath.

The **pants** are held up by a web belt so thin and slippery it's more like...  
...if your pack rides low. All in all, though, these are cool, comfortable, reasonably priced **pants** that will see you through most backpacking conditions. Sizes: Men's S-XXL, Women's XS-XXL. Price: \$40.

25/3,K/15 (Item 15 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.  
09324300 SUPPLIER NUMBER: 19043675 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
In the hunt. (women's hunting apparel)  
Perez, Anabelle  
Sporting Goods Business, v29, n12, p34(1)  
Dec, 1996  
ISSN: 0146-0889 LANGUAGE: English RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 453 LINE COUNT: 00038  
... reorders," says Lott. Among the reorders in the Dame-O-Flage line were slenderizing hunting **pants** and a western-style shirt both done in a running grapevine camo pattern. "Our line...  
...the latest Realtree and Advantage patterns. Features include special one-piece **undergarments with a functional zip-through crotch**.  
Continuing with its classic collection, Barbour offers a number of hunting coats and shooting vests...

25/3,K/17 (Item 17 from file: 148)  
DIALOG(R)File 148:Gale Group Trade & Industry DB  
(c)2005 The Gale Group. All rts. reserv.  
11034052 SUPPLIER NUMBER: 54626228 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**High-tech fusion. ('99 Show Issue) (children's winter apparel) (Buyers Guide)**  
Devlin, Iseult  
STN, 23, 2, 40(2)  
March, 1999  
DOCUMENT TYPE: Buyers Guide ISSN: 1061-4524 LANGUAGE: English  
RECORD TYPE: Fulltext; Abstract  
WORD COUNT: 2009 LINE COUNT: 00165  
... specific children's features are added, such as a helmet hood; removable kneepads in all **pants**; removable hip and butt pads in the Kicker pant; pass pockets; pit zips; and full-length two-way zippers on the Treeline series **pants**. Bolder colors for 1999-2000 include gold, red, dusk, and purple.  
CB Sports 888-382...  
...collections for fall '99 fuse performance with value. Its proven Titanium line of technical parkas, **pants**, fleece, and accessories has been expanded to include girls. The youth Titanium line features two waterproof-breathable parkas and two **pants**. Columbia also introduces its first waterproof-breathable Titanium jacket for boys and girls - the Junior...  
...s outerwear include covered zippers, flannel-lined hand pockets, and contoured hoods. "Gro-cuffs" on **pants** and suits extend the life of the garment.  
Fila 800-787-3452, www.fila.com...Long jacket and a Salopette pant, which comes in black and carbon black. Jackets and **pants** feature seam sealing.  
Sport Obermeyer 800-525-4203 www.obermeyer.com  
For 1999, Obermeyer unveils...  
...slip into because of their nylon lining. Mothers of toddlers will

appreciate the fact that **crotch zippers** **zip** all the way open for easy changing.

Iseult Devlin Contributing Editor, SKIING  
Iseult Devlin is...

27/3,K/3 (Item 3 from file: 160)  
DIALOG(R)File 160:Gale Group PROMT(R)  
(c) 1999 The Gale Group. All rts. reserv.  
01495670  
**RAINFAIR'S SUBZERO CLOTHING-PROTECTS AT ARCTIC TEMPERATURES.**  
NEWS RELEASE August 26, 1986 p. 11

...INC., one of the oldest and largest producers of protective clothing in America, offers SubZero **Coveralls**, a new lightweight Jacket and Vest, mid-length Parka Coats, Suits and **Overalls** for on-the-job or recreational use that protect the wearer at temperatures to 50...

... rivets at all stress points are standard on all SubZero clothing. RAINFAIR's one piece **Coverall** has an adjustable back belt and an easy-on, easy-off long front opening and **zippered** leg that opens almost **waist** high. In sizes S thru XL, with XXL and XXXL available on special order....

PRODUCT NAME: \*Men's Dungarees & **Overalls** ; Men's Heavy Nontailored Jackets

27/3,K/7 (Item 7 from file: 16)  
DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2005 The Gale Group. All rts. reserv.  
01013614 Supplier Number: 41108031  
**HIND: Detail by Design**  
SportStyle, v0, n0, p33  
Jan 8, 1990  
Language: English Record Type: Abstract  
Document Type: Magazine/Journal; Trade  
ABSTRACT:

...off capabilities combined with functional, lightweight properties."  
HIND'S lightweight Drylete cycling jersey features a **zip** pocket in the **back** and accent panels, also in the back, out of a nylon/Lyrcra. It's coordinated here with nylon/Lycra **shorts** with the Prime Inner Liner out of nylon and polypropylene terry. ...

27/3,K/20 (Item 20 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2005 The Gale group. All rts. reserv.  
04033179 SUPPLIER NUMBER: 15143214  
**Cold water comfort: Tilos double-zip jumpsuit . (Evaluation)**  
Walker, Jim  
Skin Diver, v43, n1, p92(3)  
Jan, 1994

DOCUMENT TYPE: Evaluation ISSN: 0037-6345 LANGUAGE: ENGLISH  
RECORD TYPE: ABSTRACT

ABSTRACT: Tilos' Double-zip **Jumpsuit** offers comfort and freedom of movement to divers for diving at temperatures ranging between 58 to 70 degrees Fahrenheit. It also has a **back** neck **zipper** that allows the neoprene **wetsuit** to be taken off easily.

27/3,K/23 (Item 23 from file: 47)  
DIALOG(R)File 47:Gale Group Magazine DB(TM)  
(c) 2005 The Gale group. All rts. reserv.



04160641      SUPPLIER NUMBER: 15910853      (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Suit yourself. ( wetsuits and drysuits ) (includes related information on construction and care) (Buyers Guide)**

Klarich, Tony

Trailer Boats, v23, n11, p22(2)

Dec, 1994

DOCUMENT TYPE: Buyers Guide      ISSN: 0300-6557      LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1603      LINE COUNT: 00117

ABSTRACT: **Wetsuits** extend the water skiing season by allowing skiers to enjoy the sport when the water...

...of neoprene, a synthetic rubber with nitrogen bubbles that trap heat and insulate the wearer. **Drysuits** are another option during cold weather.

... death. When you shiver, get out of the water, dry off, and cover up.

#### DRYSUITS

**Drysuits** extend your season even further into the cold. They are available in two general types: neoprene and Navy ("bag" style). **Drysuits** keep you warm by keeping the water out. However, this is not always cut and

...  
...skiing and/or the quality of the suit. Both types of suits feature a waterproof **back zipper**.

Neoprene drysuits have the look and feel of a full wetsuit while keeping you relatively...

27/3,K/38      (Item 38 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)

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04724719      SUPPLIER NUMBER: 19279831      (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Scubapro Layerz 3mm Sport Series Steamer: for warmth and protection in tropical seas.**

Sawyer, Ty

Skin Diver, v46, n3, p62(2)

March, 1997

ISSN: 0037-6345      LANGUAGE: English      RECORD TYPE: Fulltext; Abstract

WORD COUNT: 718      LINE COUNT: 00059

ABSTRACT: Scubapro's Layerz 3mm Sport Series Steamer is a comfortable and durable yet low-priced **wetsuit** that carries the features of its more expensive counterparts. The **jumpsuit** offers complete thermal protection in almost any temperature and is perfect for diving in tropical...

... s 30 years of experience, improvements and innovations into every corner and stitch of this **jumpsuit**. The colored panels are patterned with the natural curves of the body, resulting in a...

...the body moves, providing an unencumbered feel both above and below the water. The diagonal **back zipper** provides easy entry and exit (farmer johns and janes have a spine and kidney pad) and the zipper flap ensures you won't end the dive with the **zipper** pattern tattooed down your **back** or suffer from excessive water exchange.

All the edges are bound with DuPont Lycra seam...

27/3,K/42      (Item 42 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)

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05279054      SUPPLIER NUMBER: 53290438      (USE FORMAT 7 OR 9 FOR FULL TEXT)

**Nine tips for better drysuit diving. (includes related article on the differences between shell suit and foam neoprene drysuits) (Abstract)**

Barsky, Steven M.

Skin Diver, 47, 12, 38(1)

Dec, 1998

DOCUMENT TYPE: Abstract ISSN: 0037-6345 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1738 LINE COUNT: 00131

ABSTRACT: Nine tips are recommended for the proper use of **drysuits** in cold water diving. These include inspecting the suit before the dive, wearing the minimum amount of weight possible, taking a **drysuit** specialty course, maintaining **drysuits** properly and practicing one's **drysuit** diving skills.

... swimming.

6 Dive with a Buddy Who Understands Your Drysuit System

When you wear a **drysuit**, you can always use some help from your buddy, especially if your suit has a **back zipper**. A buddy who is **drysuit** savvy can also help make sure your neck seal is properly adjusted, as well as...

27/3,K/43 (Item 43 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

(c) 2005 The Gale Group. All rts. reserv.

06228869 Supplier Number: 54249950 (USE FORMAT 7 FOR FULLTEXT)

FANCY PANTS : WOMEN ARE INTO COMFORT WITH UNIQUE STYLE -- AND THAT'S A BIG BOOST FOR NOVELTY PANTS .

Kleinman, Rebecca

WWD, p59S(1)

March 25, 1999

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 2445

... and to the hype over new episodes of "Star Wars" movies.

Cynthia Steffe's "paratrooper" **pants** feature an elastic waistband with a seatbelt-hook closure and nylon slicker pockets with wide...

...does a Marlboro pant, a stretch boot-cut with a western-style nylon yolk and **zippers** from the hem to the **back** of the knee. Max Studio calls its version the zipper pant, which comes in rubberized...

27/3,K/47 (Item 47 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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06978464 Supplier Number: 59007523 (USE FORMAT 7 FOR FULLTEXT)

TOMMY PATCHES THINGS UP; HILFIGER'S FALL JEANS COLLECTION INCLUDES

DECONSTRUCTED PIECES, HIGH-TECH FABRICS AND MILITARY-INSPIRED DETAILS.

Knight, Molly

Daily News Record, p10

Jan 24, 2000

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; General Trade

Word Count: 986

... and marketing material. The oldest product in the archives is a pair of Lee Whizits, **overalls** with a **zipper** fastener, that date **back** to 1928.

Plans for Heritage Hall began early last year, when Gordon Harton, president of...

27/7/40 (Item 40 from file: 484)

DIALOG(R)File 484:Periodical Abs Plustext  
(c) 2005 ProQuest. All rts. reserv.  
03479862 (THIS IS THE FULLTEXT)

**Pee in your pants**

Olsson, Helen

Skiing (GSKI), v50 n4, p50, p.01

Dec 1997

TEXT:

There's a book about New Hampshire's Mount Washington, home to Tuckerman Ravine, called The Worst Weather on Earth. After a ski trip there last spring, I can now say with authority: Tuckerman In a storm-wind howling, snow flying sideways-is the last place you'd want to bare your butt. But, when you gotta go ... Fortunately for such situations (backcountry, hell-skiing, or even inbounds emergencies) there's Marmot's Women's Alpinist 3 Layer Bib, with a clever front-to- back zipper that allows a girl to make a pit stop without dropping trou. The company calls it WERS, for Women's Expeditious Relief System. The Gore-Tex bibs have full side zips and come in black or red. For underneath layering, Marmot offers DriClima Underwear, also designed with WERS. The onslope operation was a little tricky at first, but once I got the hang of it, the peeable pants were a godsend.-H.O. \$335/Marmot/707-544-4590/www.marmot.com

(Photograph Omitted)

Copyright Times Mirror Magazines, Inc. 1997

27/7/49 (Item 49 from file: 47)

DIALOG(R)File 47:Gale Group Magazine DB(TM)

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05886399 SUPPLIER NUMBER: 64996807 (THIS IS THE FULL TEXT)

**Blaze Overalls and Jacket.**

Shooting Industry, 45, 8, 44

August, 2000

TEXT:

Blaze Orange Insulated Bib Overalls and Jacket from 10X are available when the weather is wet, windy and cold, and high visibility is a concern. These 10X outerwear products utilize nylon/acrylic Ten Mile Plus fabric laminated to 100 percent waterproof, windproof and breathable GoreTex. All seams are sealed to lock out water. The warmth comes from 150 grams of Thinsulate Ultra insulation. The overalls are easy to get on and off with a 100 percent nylon taffeta lining and waist -high leg zippers .

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File 350:Derwent WPIX 1963-2005/UD,UM &UP=200523

(c) 2005 Thomson Derwent

File 347:JAPIO Nov 1976-2004/Dec(Updated 050405)

(c) 2005 JPO & JAPIO

| Set | Items  | Description  |
|-----|--------|--|
| S1  | 20338  | WAIST? ? OR WAISTBAND? ? OR WAISTLINE? ? OR LOWER()BACK OR SMALL(1W)BACK   |
| S2  | 678630 | BACK   |
| S3  | 4538   | ZIPPER?  |
| S4  | 13262  | PANTS OR TROUSERS OR SLACKS OR SHORTS OR BREECHES OR BRITC-HES OR PANTALOONS OR JEANS OR BLUEJEANS OR PLAYSUIT? ? OR FLI-GHTSUIT? ? OR BOILERSUIT? ? OR JUMPSUIT? ? OR WETSUIT? ? OR D-RYSUIT? ? OR SPACESUIT? ? OR EARTHSUIT? ? OR BODYSUIT? ? OR C-OVERALL? ? OR |
| S5  | 977    | (PLAY OR FLIGHT OR BOILER OR JUMP OR WET OR DRY OR SPACE OR BODY OR EARTH OR EXPOSURE) ()SUIT? ?   |
| S6  | 106    | ONE()PIECE() (SUIT? ? OR GARMENT? ? OR UNIFORM? ?)   |
| S7  | 4637   | CROTCH OR CROTCHES   |
| S8  | 7089   | ZIP?   |
| S9  | 94648  | CLOSURE?   |
| S10 | 29843  | IC=A41D?   |
| S11 | 153    | S1:S2 AND S8:S9 AND S4:S6  |
| S12 | 29     | S11 AND S7   |
| S13 | 99     | S11 AND S10  |
| S14 | 17     | S12 AND S10  |
| S15 | 79     | UNISEX   |
| S16 | 7      | S15(S)S4:S6  |
| S17 | 7      | S16 NOT S14  |
| S18 | 23     | S1:S2(3N)S8:S9 AND S4:S6   |
| S19 | 22     | S18 NOT (S14 OR S16)   |
| S20 | 12     | S10 AND S19  |
| S21 | 11     | S12 NOT (S14 OR S16 OR S18)  |
| S22 | 70     | S13 NOT (S12 OR S14 OR S16 OR S18)   |
| S23 | 14     | S22/2003:2005  |
| S24 | 56     | S22 NOT S23  |
| S25 | 5406   | S4/TI OR S5/TI OR S6/TI  |
| S26 | 32     | S24 AND S25  |
| S27 | 21     | (S11 AND S25) NOT (S12 OR S14 OR S16 OR S18 OR S26)  |
| S28 | 50751  | FRONT(2N)BACK  |
| S29 | 0      | S4:S6 AND S28(2N)S8  |
| S30 | 8      | S4:S6 AND S28 AND S8   |
| S31 | 1      | S30 NOT (S27 OR S12 OR S14 OR S16 OR S18 OR S26)   |

14/26,TI/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012754449

WPI Acc No: 1999-560566/199947

A pair of over- pants for keeping dry the clothing of a user has a pair of panels joined by a crotch with edge fasteners

14/26,TI/13 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

007180000

WPI Acc No: 1987-177009/198725

**Overall garment - includes rear elastomeric strip extending from collar to crotch**

**14/26, TI/14 (Item 14 from file: 350)**  
DIALOG(R) File 350: Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
003149433  
WPI Acc No: 1981-09973D/198107

**Motor cyclists protective clothing having diagonal slide fastener - to prevent entry of rain-water and protect genital area**

**14/26, TI/15 (Item 15 from file: 350)**  
DIALOG(R) File 350: Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
001420590  
WPI Acc No: 1975-70317W/197542

**Weatherproof jump suit garment - with front zipper and removable gloves, shoe covers and hood**

**14/26, TI/16 (Item 1 from file: 347)**  
DIALOG(R) File 347: JAPIO  
(c) 2005 JPO & JAPIO. All rts. reserv.  
07502890  
TROUSER COVER FOR RIDING ON MOTORBIKE

**14/7/1 (Item 1 from file: 350)**  
DIALOG(R) File 350: Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
016714540 \*\*Image available\*\*  
WPI Acc No: 2005-038815/200504

**Unisex garment for use on lower body portion has zipper that runs from a crotch seam positioned between a pair of legs and to a belt line just below the waistband such that upward movement of a handle will open the zipper**

Patent Assignee: KRIZKA K (KRIZ-I); LEWIS T E (LEWI-I)  
Inventor: KRIZKA K; LEWIS T E  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

| Patent No      | Kind | Date     | Applicat No   | Kind | Date     | Week     |
|----------------|------|----------|---------------|------|----------|----------|
| US 20040261156 | A1   | 20041230 | US 2003482066 | P    | 20030624 | 200504 B |
|                |      |          | US 2004863408 | A    | 20040608 |          |

Priority Applications (No Type Date): US 2003482066 P 20030624; US 2004863408 A 20040608

Patent Details:

| Patent No      | Kind | Lan | Pg | Main IPC    | Filing Notes                          |
|----------------|------|-----|----|-------------|---------------------------------------|
| US 20040261156 | A1   |     | 6  | A41D-001/06 | Provisional application US 2003482066 |

Abstract (Basic): US 20040261156 A1

**NOVELTY - A zipper (3) runs from a crotch seam (8) positioned between a pair of legs (14) and to a belt line just below the waistband (10) such that upward movement of a handle (7) will open the zipper . Quick release fasteners (20) run from a top section of the crotch seam towards the pant inseams (16) on both pair of legs. The legs extend from the waistband .**

**USE - For use on lower body portion as e.g. slacks , shorts , jump suits .**

**ADVANTAGE - Allows easy access to the genital area due to easy**

pulling of **zipper** for restroom usage or other reasons.

DESCRIPTION OF DRAWING(S) - The figure shows a front view of the unisex garment.

**Zipper** (3)  
handle (7)  
**Crotch** seam (8)  
**Waistband** (10)  
Legs (14)  
Inseams (16)  
Fasteners (20)  
pp; 6 DwgNo 1/2

Derwent Class: P21

International Patent Class (Main): **A41D-001/06**

**14/7/4 (Item 4 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

015894373 \*\*Image available\*\*

WPI Acc No: 2004-052208/200405

**Garment for humans, has drawstring anchored in crotch region of body and extending upwardly through rear tunnel and transitioning into and extending through waistband tunnels**

Patent Assignee: NOBLE IDEAS INC (NOBL-N)

Inventor: VILLALOBOS O Z

Number of Countries: 103 Number of Patents: 004

Patent Family:

| Patent No      | Kind | Date     | Applicat No    | Kind | Date     | Week     |
|----------------|------|----------|----------------|------|----------|----------|
| US 20030233698 | A1   | 20031225 | US 2002180481  | A    | 20020625 | 200405 B |
| WO 200400051   | A1   | 20031231 | WO 2003US17222 | A    | 20030530 | 200406   |
| AU 2003231944  | A1   | 20040106 | AU 2003231944  | A    | 20030530 | 200447   |
| US 6839913     | B2   | 20050111 | US 2002180481  | A    | 20020625 | 200505   |

Priority Applications (No Type Date): US 2002180481 A 20020625

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|----|----------|--------------|
|-----------|------|-----|----|----------|--------------|

|                |    |  |    |             |  |
|----------------|----|--|----|-------------|--|
| US 20030233698 | A1 |  | 13 | A41D-001/06 |  |
|----------------|----|--|----|-------------|--|

|              |      |  |  |             |  |
|--------------|------|--|--|-------------|--|
| WO 200400051 | A1 E |  |  | A41F-009/00 |  |
|--------------|------|--|--|-------------|--|

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

|               |    |  |             |                              |
|---------------|----|--|-------------|------------------------------|
| AU 2003231944 | A1 |  | A41F-009/00 | Based on patent WO 200400051 |
|---------------|----|--|-------------|------------------------------|

|            |    |  |             |
|------------|----|--|-------------|
| US 6839913 | B2 |  | A41D-001/06 |
|------------|----|--|-------------|

Abstract (Basic): US 20030233698 A1

NOVELTY - The garment has a **waistband** (11) that is coupled to a body (20) and a rear tunnel extending upwardly from a **crotch** region of the body. The body comprises of a rear center rise seam (30), and a rear tunnel is formed along the rear center rise seam. A drawstring anchored in **crotch** region of body extends upwardly through the rear tunnel and transitions into and extends through **waistband** tunnels.

USE - Used by men and women.

ADVANTAGE - The drawstring, when pulled, tightens the garment around a wearers body and helps to define the contours of the wearers

body. The garment fits to the wearers body in a comfortable and fashionable manner.

DESCRIPTION OF DRAWING(S) - The drawing shows a **back** inside plan view of a pair of **zip** -up front fly style **pants** .

**Waistband** (11)

Body (20)

Front and rear portions of **pants** (21, 22)

Rear center rise seam (30)

pp; 13 DwgNo 1B/7

Derwent Class: P21

International Patent Class (Main): **A41D-001/06** ; A41F-009/00

**14/7/6** (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013585925 \*\*Image available\*\*

WPI Acc No: 2001-070132/200108

**Pair of outerwear pants for style mixing has a closure system that separates the crotch into right and left leg portions**

Patent Assignee: ANDREWS A (ANDR-I)

Inventor: ANDREWS A

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No  | Kind | Date     | Applicat No | Kind | Date     | Week     |
|------------|------|----------|-------------|------|----------|----------|
| US 6161223 | A    | 20001219 | US 99405969 | A    | 19990927 | 200108 B |

Priority Applications (No Type Date): US 99405969 A 19990927

Patent Details:

| Patent No  | Kind | Lan Pg | Main IPC    | Filing Notes |
|------------|------|--------|-------------|--------------|
| US 6161223 | A    | 5      | A41D-001/06 |              |

Abstract (Basic): US 6161223 A

NOVELTY - A pair of outerwear **pants** having front and **back** sides and a **crotch** is separable into right and left leg portions by a **releasable closure system** defining a seam spanning from the front to **back sides of the pants through the crotch** .

DETAILED DESCRIPTION - A pair of outerwear **pants** having front and **back** sides and a **crotch** is separable into right and left leg portions by a releasable **closure system** (1B, 1F) defining a seam spanning from the front to **back sides of the pants through the crotch** . The **closure system** has left and right portions. Each leg portion has its respective portion of the **closure system**. Each leg portion is a set of one-piece left or right leg portion having a variety of visual effects. An INDEPENDENT CLAIM is also included for a method for creating a customized visual effect for a given wearing of **pants** comprising attaching a selected left pant leg (12L) having a first visual effect to a selected right pant leg (12R) having a second visual effect to form a pair of **pants** with an asymmetric visual effect.

USE - As **pants** for style mixing.

ADVANTAGE - The left and right pant legs of different styles can be combined to create a custom style for a given wearing of the **pants** . This increases variety in a user's wardrobe at reduced expense.

DESCRIPTION OF DRAWING(S) - The figure shows a front view of combined left and right pant legs of different styles.

**Closure system** (1B, 1F)

Left pant leg (12L)

Right pant leg (12R)

pp; 5 DwgNo 2/6  
 Derwent Class: F07; P21  
 International Patent Class (Main): A41D-001/06

14/7/8 (Item 8 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

011706207 \*\*Image available\*\*

WPI Acc No: 1998-123117/199812

**Clothing, e.g. trousers, slacks etc., for women in cold climates -  
 has concealed crotch sliding clasp fastener to improve access to body  
 for toiletry or hygiene purposes**

Patent Assignee: KHEMKA S (KHEM-I); OSEI N (OSEI-I); MYRTLE MANAGEMENT LTD  
 (MYRT-N)

Inventor: KHEMKA N S; OSEI N; KHEMKA S

Number of Countries: 080 Number of Patents: 021

Patent Family:

| Patent No     | Kind | Date     | Applicat No  | Kind | Date     | Week   |   |
|---------------|------|----------|--------------|------|----------|--------|---|
| GB 2316599    | A    | 19980304 | GB 9617736   | A    | 19960823 | 199812 | B |
| WO 9807339    | A1   | 19980226 | WO 97GB2281  | A    | 19970822 | 199815 |   |
| ZA 9707371    | A    | 19980429 | ZA 977371    | A    | 19970815 | 199822 |   |
| AU 9739506    | A    | 19980306 | AU 9739506   | A    | 19970822 | 199830 |   |
| NO 9801782    | A    | 19980617 | WO 97GB2281  | A    | 19970822 | 199840 |   |
|               |      |          | NO 981782    | A    | 19980421 |        |   |
| CZ 9801240    | A3   | 19980916 | WO 97GB2281  | A    | 19970822 | 199843 |   |
|               |      |          | CZ 981240    | A    | 19970822 |        |   |
| SK 9800670    | A3   | 19981104 | WO 97GB2281  | A    | 19970822 | 199906 |   |
|               |      |          | SK 98670     | A    | 19970822 |        |   |
| EP 907330     | A1   | 19990414 | EP 97936809  | A    | 19970822 | 199919 |   |
|               |      |          | WO 97GB2281  | A    | 19970822 |        |   |
| NZ 328577     | A    | 19990429 | NZ 328577    | A    | 19970820 | 199923 |   |
| JP 11514056   | W    | 19991130 | WO 97GB2281  | A    | 19970822 | 200007 |   |
|               |      |          | JP 98510526  | A    | 19970822 |        |   |
| HU 9902736    | A2   | 19991228 | WO 97GB2281  | A    | 19970822 | 200010 |   |
|               |      |          | HU 992736    | A    | 19970822 |        |   |
| BR 9706628    | A    | 19991123 | BR 976628    | A    | 19970822 | 200013 |   |
|               |      |          | WO 97GB2281  | A    | 19970822 |        |   |
| MX 9803200    | A1   | 19990601 | MX 983200    | A    | 19980423 | 200058 |   |
| KR 2000064298 | A    | 20001106 | WO 97GB2281  | A    | 19970822 | 200128 |   |
|               |      |          | KR 98703076  | A    | 19980423 |        |   |
| US 6243878    | B1   | 20010612 | WO 97GB2281  | A    | 19970822 | 200135 |   |
|               |      |          | US 9851883   | A    | 19981116 |        |   |
| IL 121589     | A    | 20010614 | IL 121589    | A    | 19970820 | 200154 |   |
| EP 907330     | B1   | 20030502 | EP 97936809  | A    | 19970822 | 200330 |   |
|               |      |          | WO 97GB2281  | A    | 19970822 |        |   |
|               |      |          | EP 200280551 | A    | 19970822 |        |   |
| CN 1177461    | A    | 19980401 | CN 97117495  | A    | 19970822 | 200333 |   |
| EP 1312271    | A1   | 20030521 | EP 97936809  | A    | 19970822 | 200334 |   |
|               |      |          | EP 200280551 | A    | 19970822 |        |   |
| DE 69721533   | E    | 20030605 | DE 621533    | A    | 19970822 | 200345 |   |
|               |      |          | EP 97936809  | A    | 19970822 |        |   |
|               |      |          | WO 97GB2281  | A    | 19970822 |        |   |
| ES 2198589    | T3   | 20040201 | EP 97936809  | A    | 19970822 | 200414 |   |

Priority Applications (No Type Date): GB 9617736 A 19960823

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes



GB 2316599 A 35 A41D-001/06  
WO 9807339 A1 E 51 A41D-001/06  
Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU  
CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA  
UG US UZ VN YU ZW  
Designated States (Regional): AT BE CH DE DK EA ES FI FR GB GH GR IE IT  
KE LS LU MC MW NL OA PT SD SE SZ UG ZW  
ZA 9707371 A 48 A41D-000/00  
AU 9739506 A A41D-001/06 Based on patent WO 9807339  
NO 9801782 A A41D-001/06  
CZ 9801240 A3 A41D-001/06 Based on patent WO 9807339  
SK 9800670 A3 A41D-001/06  
EP 907330 A1 E A41D-001/06 Based on patent WO 9807339  
Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI  
LT LU LV MC NL PT RO SE SI  
NZ 328577 A A41D-001/06  
JP 11514056 W 60 A41D-001/06 Based on patent WO 9807339  
HU 9902736 A2 A41D-001/06 Based on patent WO 9807339  
BR 9706628 A A41D-001/06 Based on patent WO 9807339  
MX 9803200 A1 A41D-001/06  
KR 2000064298 A A41D-001/06 Based on patent WO 9807339  
US 6243878 B1 A41D-013/00 Based on patent WO 9807339  
IL 121589 A A41D-001/06  
EP 907330 B1 E A41D-001/06 Related to application EP 200280551  
Based on patent WO 9807339  
Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI  
LT LU LV MC NL PT RO SE SI  
CN 1177461 A A41D-001/06  
EP 1312271 A1 E A41D-001/06 Div ex application EP 97936809  
Div ex patent EP 907330  
Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI  
LT LU LV MC NL PT RO SE SI  
DE 69721533 E A41D-001/06 Based on patent EP 907330  
Based on patent WO 9807339  
ES 2198589 T3 A41D-001/06 Based on patent EP 907330  
Abstract (Basic): GB 2316599 A

An article of clothing, e.g. **trousers**, **shorts**, **slacks** etc., comprises a **crotch** sliding clasp fastener along the perineal region, **a rear seam between the crotch sliding clasp fastener and a rear waistband**, and a front fly extending towards the **crotch** sliding clasp fastener. The sides of the **trousers** are held together at the junction between the front fly and the **crotch** sliding clasp fastener. The **crotch** sliding clasp fastener is concealed by a flap extending along it, and the **crotch** sliding clasp fastener pulley rests in the closed position, concealed under the flap.

USE - Used as females' **trousers**, **shorts**, **slacks** etc., especially in colder climates.

ADVANTAGE - The garment enables the wearer to access their body, for toiletry or hygiene purposes, while providing protection from the weather.

Dwg.2/13

Derwent Class: F07; P21

International Patent Class (Main): **A41D-000/00** ; **A41D-001/06** ;  
**A41D-013/00**

International Patent Class (Additional): **A41F-001/00**

14/7/11 (Item 11 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
010174186 \*\*Image available\*\*  
WPI Acc No: 1995-075439/199511  
Legged garment, e.g. trousers , slacks etc. for women - has opening  
crotch region  
Patent Assignee: PIETRALUNGA G (PIET-I)  
Inventor: PIETRALUNGA G  
Number of Countries: 001 Number of Patents: 002  
Patent Family:  
Patent No Kind Date Applicat No Kind Date Week  
AU 9340086 A 19941215 AU 9340086 A 19930608 199511 B  
AU 657621 B 19950316 AU 9340086 A 19930608 199518  
Priority Applications (No Type Date): AU 9340086 A 19930608  
Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
AU 9340086 A 7 A41D-001/06  
AU 657621 B A41D-001/06 Previous Publ. patent AU 9340086  
Abstract (Basic): AU 9340086 A  
A women's garment having legs, e.g. slacks , trousers , etc.  
comprises a crotch access opening (1) which may be horizontal or  
vertical and may be a continuation of or separate from the front fly  
(3) or back fly and fastener (2) e.g. buttons, zip , studs, etc. for  
the crotch opening.  
USE - Clothing is used as wearing apparel for women, e.g. slacks ,  
trousers , pants , etc.  
ADVANTAGE - Apparel has closable access opening in the crotch  
area.(Previously notified week 9511, reissued with new SAN in week  
9512)  
Dwg.1/1  
Derwent Class: F07; P21  
International Patent Class (Main): A41D-001/06

14/7/17 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
(c) 2005 JPO & JAPIO. All rts. reserv.  
06775730 \*\*Image available\*\*  
COMBINED PANTS AND UNDERWEAR FOR AGED PERSON  
PUB. NO.: 2001-003204 [JP 2001003204 A]  
PUBLISHED: January 09, 2001 (20010109)  
INVENTOR(s): UEHARA YASUHIRO  
APPLICANT(s): UEHARA YASUHIRO  
APPL. NO.: 11-214137 [JP 99214137]  
FILED: June 23, 1999 (19990623)  
ABSTRACT  
PROBLEM TO BE SOLVED: To provide a combination of pants and underwear for  
aged person to facilitate the urination.  
SOLUTION: The upper end of a front cloth is sewn to the end of the  
waistline of the L-side (left) body part of pants and a part of the  
cloth is buttoned to the R-side (right) of the pants in wearing. The  
front cloth is openable upward by zippers attached to the L and R-side  
body parts and the lower end of the opening of the pants is expandable to  
the back of the crotch with a rib stitch part of the underwear. The  
underwear is easily and quickly openable and closeable by this structure.

COPYRIGHT: (C) 2001, JPO

17/26, TI/1 (Item 1 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
014139440  
WPI Acc No: 2001-623651/200172  
Patient surgery modesty waterproof disposable robe comprises a short pair  
of unisex trousers with a bra for women, located via elastic -  
NoAbstract

17/26, TI/2 (Item 2 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
014045715  
WPI Acc No: 2001-529928/200158  
Comfortable boxer shorts underwear employs crotch panels in loosely- and  
densely-knitted material, forming longer and shorter transverse front and  
rear seams respectively

17/26, TI/3 (Item 3 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
012010681  
WPI Acc No: 1998-427591/199836  
Unisex garment for the physically and mentally disabled - comprises  
two-piece outfit with vertical and horizontal fastener(s) maintaining  
body cover, and allowing independent removal

17/26, TI/5 (Item 5 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
001591764  
WPI Acc No: 1976-26162X/197614  
Unisex short pants for use as under or outer garments - have left and  
right seat panels which are independent of left and right front panels

17/26, TI/6 (Item 6 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
001153756  
WPI Acc No: 1974-27533V/197415  
Men's or women's trousers - with each leg formed from at least three  
symmetrical panels so that each leg has polygonal cross-section

20/26, TI/1 (Item 1 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
016674333  
WPI Acc No: 2004-833053/200482  
Ventilated garment e.g. jacket, pants, body suit, for e.g. skiing,  
motorcycling, has cord with exposed portion coupled to zippers of chest  
and back vents to enable remote operation of zippers to open or close  
chest and back vents

20/26, TI/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

013501008

WPI Acc No: 2000-672949/200066

Trousers for use by persons who have lost their bladder control include  
zippers which run from waist to knee area or to mid thigh area

20/26, TI/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

003644230

WPI Acc No: 1983-04244K/198302

Trousers with simulated open fly - formed by slide fastener parts sewn  
to flap covering normal fastener

20/26, TI/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

003162120

WPI Acc No: 1981-22659D/198113

Full-length overall with elastic back closure - with elastic gussets  
functioning as ventilator channels

20/26, TI/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

001834940

WPI Acc No: 1977-55938Y/197732

One-size sports trousers of stretch material - with fasteners attached  
to longitudinal-stretch lower leg portions

20/26, TI/11 (Item 1 from file: 347)

DIALOG(R)File 347:JAPIO

(c) 2005 JPO & JAPIO. All rts. reserv.

07416897

WAIST STRETCH STRUCTURE OF TROUSERS OR THE LIKE

20/7/10 (Item 10 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

000928755

WPI Acc No: 1973-05976U/197305

One - piece garment - which opens along the legs and rear for ease of  
entry

Patent Assignee: REFRIGWEAR INC (REF -N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No  | Kind | Date | Applicat No | Kind | Date | Week     |
|------------|------|------|-------------|------|------|----------|
| US 3711865 | A    |      |             |      |      | 197305 B |

Priority Applications (No Type Date): US 71108654 A 19710121

Abstract (Basic): US 3711865 A

The garment is of the overall type having leg, torso, arm and hood  
sections, with a continuous zipper extends from the cuff of one leg to  
the other via the waist. This is operated by four sliders, two of which  
are at the ankle cuffs when the garment is donned and the others are at  
the rear centre of the waist. The operation of either leg-cuff zipper

to the crutch frees a leg completely, whilst the operation of both of the others to part way down the legs frees a rear flap position. The **waist zipper** portion is hidden by a body-encircling belt. Thus the garment provides ease of partial entry without this being readily identifiable.

Derwent Class: F07; P21

International Patent Class (Additional): **A41D-013/02**

**21/26, TI/9** (Item 9 from file: 350)

DIALOG(R) File 350: Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

003987775

WPI Acc No: 1984-133319/198421

**Proctological examination shorts - have detachable flap over vertical rear opening for access to anal region**

**21/7/1** (Item 1 from file: 350)

DIALOG(R) File 350: Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

016598155 \*\*Image available\*\*

WPI Acc No: 2004-756889/200474

**Woman flapless undergarment includes crotch panel that comprises free edge, left casing, and right casing and is slidable from front to back**

Patent Assignee: STEVENSON J M (STEV-I)

Inventor: STEVENSON J M

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No      | Kind | Date     | Applicat No   | Kind | Date     | Week     |
|----------------|------|----------|---------------|------|----------|----------|
| US 20040210990 | A1   | 20041028 | US 2003464827 | P    | 20030423 | 200474 B |
|                |      |          | US 2004813247 | A    | 20040330 |          |

Priority Applications (No Type Date): US 2003464827 P 20030423; US 2004813247 A 20040330

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|-----------|------|-----|----|----------|--------------|
|-----------|------|-----|----|----------|--------------|

|                |    |  |   |             |                                       |
|----------------|----|--|---|-------------|---------------------------------------|
| US 20040210990 | A1 |  | 9 | A41B-009/04 | Provisional application US 2003464827 |
|----------------|----|--|---|-------------|---------------------------------------|

Abstract (Basic): US 20040210990 A1

NOVELTY - A woman flapless undergarment includes **crotch** panel comprising a second free edge, a left casing, and a right casing. The **crotch** panel is attached to the **back** panel, where the left casing slidably engages with the left leg band, and the right casing slidably engages with the right leg band. The **crotch** panel is slidable from front to **back**.

DETAILED DESCRIPTION - A woman flapless undergarment comprises a front panel comprising a first free edge, a **back** panel (6), a left leg band (8) attached to the front panel and the **back** panel, a right leg band (10) attached to the front panel and the **back** panel, a **crotch** panel (12) comprising a second free edge, a left casing, and a right casing. The **crotch** panel is fixably attached to the **back** panel, where the left casing slidably engages with the left leg band, and where the right casing slidably engages with the right leg band. The **crotch** panel is slidable from front to **back**. INDEPENDENT CLAIMS are also included for:

(A) a method of facilitating elimination of bodily waste by a woman comprising wearing the inventive undergarment, detaching the second free edge from the first free edge, and ad sliding the **crotch** panel towards the woman's backside;

(B) a compatible overgarment and undergarment, where the overgarment comprises trunk area which encloses the underpants, a left leg area attached to the trunk, a right leg area attached to the trunk, and an overgarment opening which permits access to the **crotch** panel; and

(C) a **bodysuit** for a woman comprising a torso section, and an undergarment section attached to the torso section.

USE - The undergarment is for use separately or in combination with overgarments e.g. **slacks**, **jeans**, **shorts**, **jumpsuits**, **overalls**, as well as skirts, or with **bodysuits** e.g. professional uniforms, dressy blouses, and casual shirts.

ADVANTAGE - The inventive undergarment has easily opened and closed **crotch** panel allowing body waste elimination without disrobing. It includes a **crotch** portion that does not get in the way during waste elimination e.g. urination. Its **crotch** may be opened and closed easily. It has the ability to keep a wearer's hands free while garment is in the opened position, to stand for urination, to keep any garment **waistbands** in place while urinating, to eliminate body contact with the toilet, and to keep the body covered while urinating in situations when there is lack of privacy, no facilities, or adverse environmental conditions.

DESCRIPTION OF DRAWING(S) - The drawing shows a **back** view of the inventive undergarment where the **crotch** panel is open.

**Back** panel (6)  
Left leg band (8)  
Right leg band (10)  
**Crotch** panel (12)  
Area on **crotch** panel (22)  
Area on **back** panel (24)  
pp; 9 DwgNo 1A/5

Derwent Class: F07; P21

International Patent Class (Main): A41B-009/04

26/26, TI/10 (Item 10 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
013438855  
WPI Acc No: 2000-610798/200058

**Protective garment for English-style, horse-riding breeches, comprises waist band, pair of legs having upper portions, pockets for holding mane braiding tools, nylon patch lining and reclosable slit**

26/26, TI/12 (Item 12 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
012955042  
WPI Acc No: 2000-126892/200011

**Safety swimsuit such as bathing suit, swim shirt and body suit for infants, toddlers and young children**

26/26, TI/13 (Item 13 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
012169735  
WPI Acc No: 1998-586646/199850

**Trousers e.g. for aged people - has continuous zip fasteners on both**

left and right front side of leg bottom section running upto waist portion and joined with hook and loop fasteners in waist band

26/26, TI/16 (Item 16 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
011126007  
WPI Acc No: 1997-103931/199710  
Tie nightwear for patients suffering from dementia syndrome - has slide fastener attached to application cloth of either pants that has pockets to insert pull out part

26/26, TI/17 (Item 17 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
009924986  
WPI Acc No: 1994-192697/199424  
Overalls for holding and/or fixing of medical appts. and accessory parts to body of treating person - retainers so arranged on overalls that they correspond to functional relationship of appts. and accessory parts

26/26, TI/18 (Item 18 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
009691487  
WPI Acc No: 1993-385041/199348  
Trousers with fly sliding clasp fastener - has waistband button and button hole for securing in close position

26/26, TI/19 (Item 19 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
009253329  
WPI Acc No: 1992-380746/199246  
Fire fighter garment, partic. trousers, having selectively activated integral lumbar support - includes outer fireproof shell, inner thermal layer, and support member attached to outer shell with attached elastic bands closable around waist of wearer

26/26, TI/20 (Item 20 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
009195342  
WPI Acc No: 1992-322779/199239  
Trousers having rear waist band higher than front waistband - with elastic joining darts for wear without belt

26/26, TI/24 (Item 24 from file: 350)  
DIALOG(R) File 350: Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
008546346  
WPI Acc No: 1991-050409/199107  
All in one slider pants - are padded to protect central body region when playing baseball, etc

26/26, TI/26 (Item 26 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
007555213

WPI Acc No: 1988-189145/198827

Trousers for handicapped - have front and back halves, back half has opening with covering flaps fastened to front half by hooked pile fasteners

26/26, TI/27 (Item 27 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
004036506

WPI Acc No: 1984-182048/198429

One-piece jump - suit - has rear drop seat panel overlying two overlapping rear flaps

26/26, TI/30 (Item 30 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
002568896

WPI Acc No: 1980-86914C/198049

Sports shorts - have removable leg sections for adaptable training garment

26/26, TI/32 (Item 32 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
001162766

WPI Acc No: 1974-36583V/197420

Trousers with elastic belt tunnel waistband - may have front closure of Jersey material

26/7/1  
DIALOG(R) File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
014540622 \*\*Image available\*\*  
WPI Acc No: 2002-361325/200239

E-Z opener trousers for person in law enforcement, includes invisible type zipper which is positioned along inseam of leg portions extending from waist band and protective shield is positioned beneath zipper

Patent Assignee: BLAIRE G (BLAI-I)

Inventor: BLAIRE G

Number of Countries: 001 Number of Patents: 002

Patent Family:

| Patent No      | Kind | Date     | Applicat No   | Kind | Date     | Week     |
|----------------|------|----------|---------------|------|----------|----------|
| US 20020040496 | A1   | 20020411 | US 2000239221 | A    | 20001010 | 200239 B |
|                |      |          | US 2001976622 | A    | 20011010 |          |
| US 6477716     | B2   | 20021112 | US 2000239221 | A    | 20001010 | 200278   |
|                |      |          | US 2001976622 | A    | 20011010 |          |

Priority Applications (No Type Date): US 2000239221 P 20001010; US 2001976622 A 20011010

Patent Details:

| Patent No      | Kind | Lan | Pg | Main IPC    | Filing Notes                          |
|----------------|------|-----|----|-------------|---------------------------------------|
| US 20020040496 | A1   |     | 14 | A41D-013/02 | Provisional application US 2000239221 |
| US 6477716     | B2   |     |    | A41D-001/06 | Provisional application US 2000239221 |



Abstract (Basic): US 20020040496 A1

NOVELTY - Fasteners such as invisible type zipper (28), snaps, buttons, hooks and hook and loop type fasteners are positioned along the inseam (26) of leg portions (14,16) extending from the waist band (12). A protective shield is positioned beneath the fasteners.

USE - E-Z opener trousers for restroom use by wearers of heavy equipment or objects particularly weapons especially for personnel such as law enforcement person, police officer, military personnel, security personnel, firefighter, electrician, construction worker, cable worker, hunter, medical patients, fishermen, camper, hikers, injured persons, senior citizens, etc.

ADVANTAGE - Leg portions are opened in quick and easy manner, to allow the wearer greater convenience when using the restroom facilities. The design of the pants allows the upper area of the pants to remain intact, so that any equipment being carried can remain attached to the wearer, while the wearer uses the restroom, hence safety for law enforcement officers. Permits easy access to injuries that can occur from the waist down, and prevents the injured persons from being moved. or moved only slightly.

DESCRIPTION OF DRAWING(S) - The figure shows a perspective view of pair of pants with invisible type zipper.

Waist band (12)

Leg portions (14,16)

Inseam (26)

Invisible type zipper (28)

pp; 14 DwgNo 1/9

Derwent Class: P21

International Patent Class (Main): A41D-001/06; A41D-013/02

International Patent Class (Additional): A41D-001/06

26/7/14

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

011587352 \*\*Image available\*\*

WPI Acc No: 1998-004481/199801

Pants e.g. slacks, jeans, shorts - has bidirectional zipper with two toothed tracks that are attached on pants opening edges and engaged with slider

Patent Assignee: NAKAMURA M (NAKA-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No  | Kind | Date     | Applicat No | Kind | Date     | Week     |
|------------|------|----------|-------------|------|----------|----------|
| JP 9273009 | A    | 19971021 | JP 9682472  | A    | 19960404 | 199801 B |

Priority Applications (No Type Date): JP 9682472 A 19960404

Patent Details:

| Patent No  | Kind | Lan Pg | Main IPC      | Filing Notes |
|------------|------|--------|---------------|--------------|
| JP 9273009 | A    |        | 5 A41D-001/06 |              |

Abstract (Basic): JP 9273009 A

The pants (1) has an opening (9) formed under the pants waistline and between pants legs (4,5). The opening extends downward to the groin section (8) between the pants legs.

A bidirectional zipper (13) includes two toothed tracks (22) attached to the opening edges. A slider (23) moves along the toothed tracks and engages with these.

ADVANTAGE - Improves convenience.

Dwg.1/6

Derwent Class: P21  
International Patent Class (Main): A41D-001/06  
International Patent Class (Additional): A41D-013/12

26/7/22

DIALOG(R) File 350:Derwent WPIX  
(c) 2005 Thomson Derwent. All rts. reserv.  
008806299 \*\*Image available\*\*  
WPI Acc No: 1991-310311/199142

**Cooks outfit to protect cook from temp. extremes, etc. - consists of jacket and trousers sewn together, with sliding clasp fastener extending from trouser flies to jacket collar**

Patent Assignee: BERNI B (BERN-I)  
Inventor: BERNI B  
Number of Countries: 018 Number of Patents: 007  
Patent Family:

| Patent No   | Kind | Date     | Applicat No | Kind | Date     | Week     |
|-------------|------|----------|-------------|------|----------|----------|
| WO 9114382  | A    | 19911003 |             |      |          | 199142 B |
| AU 9174736  | A    | 19911021 |             |      |          | 199203   |
| EP 474814   | A    | 19920318 | EP 91906247 | A    | 19910326 | 199212   |
| CH 680637   | A    | 19921015 | CH 901041   | A    | 19900329 | 199247   |
| US 5343565  | A    | 19940906 | US 91809284 | A    | 19911129 | 199435   |
| EP 474814   | B1   | 19960103 | EP 91906247 | A    | 19910326 | 199606   |
|             |      |          | WO 91CH72   | A    | 19910326 |          |
| DE 59107197 | G    | 19960215 | DE 507197   | A    | 19910326 | 199612   |
|             |      |          | EP 91906247 | A    | 19910326 |          |
|             |      |          | WO 91CH72   | A    | 19910326 |          |

Priority Applications (No Type Date): CH 901041 A 19900329  
Cited Patents: DE 7708834; DE 8034173; FR 2399783; GB 14615; GB 178240; GB 20680; US 3428962; US 3984876; GB 14651; GB 1782402; GB 2068083

Patent Details:

| Patent No   | Kind | Lan | Pg | Main IPC    | Filing Notes   |
|-------------|------|-----|----|-------------|--|
| WO 9114382  | A    |     |    |             |  |
|             |      |     |    |             | Designated States (National): AU DE JP KR US                         |
|             |      |     |    |             | Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU NL SE |
| EP 474814   | A    |     | 13 |             |  |
|             |      |     |    |             | Designated States (Regional): AT CH DE FR GB LI                      |
| US 5343565  | A    |     | 20 | A41D-001/06 |  |
| EP 474814   | B1 G |     | 6  | A41D-013/02 | Based on patent WO 9114382   |
|             |      |     |    |             | Designated States (Regional): AT DE FR GB                            |
| DE 59107197 | G    |     |    | A41D-013/02 | Based on patent EP 474814  |
|             |      |     |    |             | Based on patent WO 9114382   |
| CH 680637   | A    |     |    | A41D-013/02 |  |

Abstract (Basic): WO 9114382 A

An outfit for cooks consists of a white jacket and a pair of **trousers** sewn on the jacket. The outfit is equipped with a **slide fastener** starting from the trouser flies and directed over the waist band towards the collar of the jacket. Flat slide fastener parts are located at least on two opposite sides of the waist band. A detachable apron is fastened on the parts and is itself equipped with slide fastener parts..

ADVANTAGE - The outfit protects a cook against catching cold when it is necessary to work in turn in hot, cold, windy or refrigerated areas. It is also easy to put on. (13pp Dwg.No.1,3/4)

Abstract (Equivalent): EP 474814 B

Clothing, more particularly for cooks, where trousers (8) are sewn

to a white jacket (1), the trousers being provided with a slide fastener (7) extending from the trousers fly (8') over the waistband towards the collar (3) of the jacket (1), characterised in that valero fastener parts (9) are provided at least on two opposite sides of the waistband, an apron provided with valero fastener parts (9') being releasably secured to said valero slide fastener parts (9).

Dwg.1/4

Abstract (Equivalent): US 5343565 A

Jump suit comprises (i) jacket portion with collar, (ii) trouser portion with a fly, (iii) waistband sewn to the jacket portion, (iv) zip fastener attached to the trouser portion for closing the fly and extending over the waistband to the collar, (v) Velcro (RTM) fasteners disposed at the front of the waist band, and (vi) an apron with Velcro (RTM) fasteners cooperating with those at the waistband and also at the sides of the apron and covered by a foldable hem.

USE/ADVANTAGE - Provides tight fitting clothing e.g. for a cook working alternately in hot and cold rooms. Jump suit has neat appearance is easily donned and doffed and is comfortable in wear.

Dwg.15/23

Derwent Class: F07; P21

International Patent Class (Main): A41D-001/06; A41D-013/02

26/7/23

DIALOG(R)File 350:Derwent WPIX

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008658893 \*\*Image available\*\*

WPI Acc No: 1991-162920/199122

Disposable environmentally controlled suit - eliminates suit decontamination process, comprises overalls of inexpensive non-permeable poly-laminated spun polyolefin material

Patent Assignee: TECHN INNOVATIONS I (TEIN-N)

Inventor: VOLLENWEID E E

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No  | Kind | Date     | Applicat No | Kind | Date     | Week     |
|------------|------|----------|-------------|------|----------|----------|
| US 5014355 | A    | 19910514 | US 89415039 | A    | 19890929 | 199122 B |

Priority Applications (No Type Date): US 89415039 A 19890929

Abstract (Basic): US 5014355 A

Disposable environmentally controlled suit (10) comprises a **coverall** portion (12) made of inexpensive disposable non permeable material e.g. polylaminated spun polyolefin TYVEK, PVC, etc. and having closure means e.g. of elastic material at the arms (16), legs (18) and neck (14), a **slide fastener** (20), a manifold (22) at the back of the suit and having inner layer (24) and an outer layer (26) which are rectangular in shape and sewn together along their edges by rectangular seam (28) which provides air release passages (32) into the interior of the suit.

ADVANTAGE - Avoids need for ability to withstand decontamination treatment. (8pp Dwg.No 1/7)

Derwent Class: A83; F07; P21

International Patent Class (Additional): A41D-013/00

26/7/28

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

003987773

WPI Acc No: 1984-133317/198421

**Proctological examination shorts - having top opening and completely covered second opening into trousers interior**

Patent Assignee: GREEN W M (GREE-I)

Inventor: GREEN W M

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No  | Kind | Date     | Applicat No | Kind | Date     | Week     |
|------------|------|----------|-------------|------|----------|----------|
| US 4446573 | A    | 19840508 | US 82443858 | A    | 19821122 | 198421 B |

Priority Applications (No Type Date): US 82443858 A 19821122

Patent Details:

| Patent No  | Kind | Lan Pg | Main IPC | Filing Notes |
|------------|------|--------|----------|--------------|
| US 4446573 | A    | 4      |          |              |

Abstract (Basic): US 4446573 A

Hip pocket has a top opening and a second opening communicating with the **trousers** interior between front and rear portions and which is completely covered by the outer part of the pocket and communicates directly with the pocket interior.

The pocket is pref. sewn onto the hip and its top opening may have a releasable closure or a securable flap and may be parallel to the **waist** or slanted. The second opening is to provide access to the wearer's body.

0/5

Derwent Class: F07; P21

International Patent Class (Additional): A41D-027/20

**27/26, TI/4** (Item 4 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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016142568

WPI Acc No: 2004-300444/200428

**Opening and closing apparatus for wet suit sets edge of the side which reaches the upper end of the switching apparatus to pass through the back mid-position of the collar opening and to extend to the neck area**

**27/26, TI/8** (Item 8 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.  
015429633

WPI Acc No: 2003-491775/200346

**Wetsuit for surfing comprises close fitting shirt portion constructed of material providing thermal insulation when saturated with water, and loose fitting trunk portion having leg elements with zero taper**

**27/7/1** (Item 1 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.  
016852653 \*\*Image available\*\*

WPI Acc No: 2005-176935/200519

**Trousers for use by patients, have expansion portions each provided with zipper that may be opened and closed to respectively open and close expansion portions**

Patent Assignee: YOSHIDA S (YOSH-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Serial 10/798807

April 13, 2005

| Patent No     | Kind | Date     | Applicat No   | Kind | Date     | Week     |
|---------------|------|----------|---------------|------|----------|----------|
| JP 2005054317 | A    | 20050303 | JP 2003286557 | A    | 20030805 | 200519 B |

Priority Applications (No Type Date): JP 2003286557 A 20030805

## Patent Details:

| Patent No     | Kind | Lan Pg | Main IPC    | Filing Notes |
|---------------|------|--------|-------------|--------------|
| JP 2005054317 | A    | 15     | A41D-013/12 |              |

Abstract (Basic): JP 2005054317 A

**NOVELTY** - The **trousers** main body (11) may be expanded at the expansion portions (14) each provided with a **zipper** (3) having two sliders (32). The **zipper** components (33) of each **zipper** are engaged when the sliders are slid towards each other, thereby closing the expansion portions. The **zipper** components are disengaged when the sliders are slid away from each other, thereby opening the expansion portions.

**DETAILED DESCRIPTION** - An INDEPENDENT CLAIM is also included for a coat.

**USE** - For use by patients e.g. elderly persons, bedridden persons, severely disabled persons.

**ADVANTAGE** - Allows caregiver to easily change clothes or diaper of wearer. Prevents slipping from body of wearer.

**DESCRIPTION OF DRAWING(S)** - The figures show a front view of the **trousers** when worn, and an expanded view of part of an expansion portion of the **trousers**.

Zipper (3)

Trousers main body (11)

Waist insertion portion (12)

Expansion portions (14)

Sliders (32)

Zipper components (33)

pp; 15 DwgNo 1/8

Derwent Class: P21

International Patent Class (Main): A41D-013/12

International Patent Class (Additional): A41D-010/00; A41D-027/00

27/7/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

015420176 \*\*Image available\*\*

WPI Acc No: 2003-482316/200345

Overalls used as protective clothing against biological agents, e.g.

hepatitis C virus, comprise laminated polypropylene layer and

polyethylene layer

Patent Assignee: CL.COM (CLCO-N); CL.COM SRL (CLCO-N)

Inventor: CERBINI S; LO IOCO P; LO I P

Number of Countries: 092 Number of Patents: 004

## Patent Family:

| Patent No      | Kind | Date     | Applicat No   | Kind | Date     | Week     |
|----------------|------|----------|---------------|------|----------|----------|
| WO 200341807   | A1   | 20030522 | WO 2002IT719  | A    | 20021112 | 200345 B |
| EP 1446200     | A1   | 20040818 | EP 2002790691 | A    | 20021112 | 200454   |
|                |      |          | WO 2002IT719  | A    | 20021112 |          |
| AU 2002363616  | A1   | 20030526 | AU 2002363616 | A    | 20021112 | 200464   |
| US 20050042400 | A1   | 20050224 | WO 2002IT719  | A    | 20021112 | 200515   |
|                |      |          | US 2004495787 | A    | 20040517 |          |

Priority Applications (No Type Date): IT 2001PS29 A 20011115

## Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|-----------|------|--------|----------|--------------|
|-----------|------|--------|----------|--------------|

WO 200341807 A1 E 27 A62D-005/00

Designated States (National): AE AG AL AU BA BB BR BZ CA CN CO CR CU DM  
DZ EC GD GE HR HU ID IL IN IS JP KP KR LC LK LR LT LV MA MG MK MN MX NZ  
OM PH PL RO RU SG SI TN TT UA US UZ VN YU ZA

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB  
GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

EP 1446200 A1 E A62D-005/00 Based on patent WO 200341807

Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB  
GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

AU 2002363616 A1 A62D-005/00 Based on patent WO 200341807

US 20050042400 A1 B65D-001/00

Abstract (Basic): WO 200341807 A1

NOVELTY - **Overalls** comprise laminated polypropylene layer and  
polyethylene layer.

USE - Used as protective clothing against biological agents, e.g.  
microorganisms (bacteria, parasites, fungi, viruses) including those  
which have been genetically modified, cell cultures, and human  
endoparasites that may be able to provoke any infection, allergy, or  
toxicity, especially those that can be transmitted by blood and body  
fluids i.e. hepatitis B virus (HBV), hepatitis C virus (HCV), human  
immunodeficiency virus (HIV), bovine spongiform encephalopathy (BSE),  
transmissible spongiform

encephalopathy, and specifically Bacillus anthracis (all claimed).

ADVANTAGE - The **overalls** provide very high level of protection  
against the penetration of liquids and microorganisms and they have  
excellent mechanical properties including tear and abrasion resistance,  
outstanding softness, drapeability, and comfort.

DESCRIPTION OF DRAWING(S) - The figure is a schematic view of  
**overalls**.

Total length (A)

Waist circumference (B)

Pelvis circumference (C)

Thorax circumference (D)

Shoulder width (E)

Sleeves length (F)

pp; 27 DwgNo 1/2

Derwent Class: A83; K02; P35; Q32

International Patent Class (Main): A62D-005/00; B65D-001/00

International Patent Class (Additional): A62B-017/00

27/7/16 (Item 16 from file: 350)

DIALOG(R) File 350:Derwent WPIX

(c) 2005 Thomson Derwent. All rts. reserv.

010420434 \*\*Image available\*\*

WPI Acc No: 1995-321749/199542

**Inexpensive protective coveralls mfr. - from seamless sheet of  
material, giving desirable barrier properties, reduced number of seams  
and seamless shoulder construction**

Patent Assignee: KIMBERLY-CLARK WORLDWIDE INC (KIMB ); KIMBERLY CLARK CORP  
(KIMB ); KIMBERLY-CLARK CORP (KIMB )

Inventor: BELL R H

Number of Countries: 014 Number of Patents: 012

Patent Family:

| Patent No  | Kind | Date     | Applicat No | Kind | Date     | Week     |
|------------|------|----------|-------------|------|----------|----------|
| EP 672357  | A2   | 19950920 | EP 95102694 | A    | 19950224 | 199542 B |
| AU 9514857 | A    | 19950928 | AU 9514857  | A    | 19950315 | 199546   |

Serial 10/798807

April 13, 2005

|             |    |          |             |   |          |        |
|-------------|----|----------|-------------|---|----------|--------|
| JP 7278918  | A  | 19951024 | JP 9553845  | A | 19950314 | 199551 |
| CA 2127964  | A  | 19950917 | CA 2127964  | A | 19940713 | 199603 |
| US 5487189  | A  | 19960130 | US 94214871 | A | 19940316 | 199611 |
| EP 672357   | A3 | 19960724 | EP 95102694 | A | 19950224 | 199639 |
| AU 694753   | B  | 19980730 | AU 9514857  | A | 19950315 | 199842 |
| MX 185503   | B  | 19970801 | MX 951309   | A | 19950310 | 199847 |
| EP 672357   | B1 | 19990526 | EP 95102694 | A | 19950224 | 199925 |
| DE 69509814 | E  | 19990701 | DE 95609814 | A | 19950224 | 199932 |
|             |    |          | EP 95102694 | A | 19950224 |        |
| KR 360188   | B  | 20030214 | KR 955316   | A | 19950315 | 200341 |
| CA 2127964  | C  | 20050125 | CA 2127964  | A | 19940713 | 200508 |

Priority Applications (No Type Date): US 94214871 A 19940316

Cited Patents: FR 2281072; FR 2454279; FR 2468321; FR 2515487; GB 2280357

## Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

EP 672357 A2 E 14 A41D-013/02

Designated States (Regional): BE DE ES FR GB IT NL SE

AU 9514857 A A41H-042/00

JP 7278918 A 10 A41D-013/02

CA 2127964 A A41D-013/02

US 5487189 A 13 A41D-001/06

EP 672357 A3 A41D-013/02

AU 694753 B A41H-042/00 Previous Publ. patent AU 9514857

MX 185503 B A41D-013/002

EP 672357 B1 E A41D-013/02

Designated States (Regional): BE DE ES FR GB IT NL SE

DE 69509814 E A41D-013/02 Based on patent EP 672357

KR 360188 B A41D-013/02 Previous Publ. patent KR 95030890

CA 2127964 C E A41D-013/02

Abstract (Basic): EP 672357 A

Protective **coveralls** comprise: a first body half and a second body half, each composed of a seamless sheet of material, the second body half being substantially mirror image of the first body half, and each body half including: a body portion having a first and second edge and a top edge extending approximately half-way across the body portion from the top of the second edge; a sleeve portion having a top and bottom sleeve edge, a top edge, and a segment of the second edge of the body portion; a leg portion having a front and rear leg edge; **closure** means joining the first edges of each body portion on each body half; a seam joining the second edges of the body portion, including the segment of the second edges in the sleeve portions, on each body half; sleeve seams joining the top sleeve edges to the bottom sleeve edges on each body half; and **back** seams joining each top edge of a sleeve portion with the top edge of its respective body portion on each body half. Also claimed is making disposable protective **coveralls** having a reduced number of seams and a seamless shoulder construction.

USE - Protective **coveralls** can be used to seal off a wearer from a harmful environment, such as hazardous liquids. and/or pathogens, dusts, powders and other particulates.

ADVANTAGE - These inexpensive protective **coveralls** have desirable barrier properties, a reduced number of seams and a seamless shoulder construction.

Dwg.3/6

Abstract (Equivalent): US 5487189 A

Protective **coveralls** comprise: a first body half and a second body half, each composed of a seamless sheet of material, the second

body half being a mirror image of the first body half, and each body half including: a body portion having a first and second edge and a top edge extending approx. half-way across the body portion from the second edge; a sleeve portion having a top and bottom sleeve edge, a top edge, and a segment of the second edge of the body portion; and a leg portion having a front and a rear leg edge; **closure** means joining the first edges of each body portion on each body half; a seam joining the second edges of the body portion, including the segment of the second edges in the sleeve portions, on each body half; sleeve seams joining the top sleeve edges to the bottom sleeve edges on each body half; inseams joining the front leg edges to the **back** leg edges on each body half; and **back** seams joining each top edge of a sleeve portion with the top edge of its respective body portion on each body half.

(Dwg.1/6

Derwent Class: A83; F07; P21

International Patent Class (Main): A41D-001/06; A41D-013/002; A41D-013/02;  
A41H-042/00

International Patent Class (Additional): A41D-003/00; A41D-013/00;  
A41D-027/00; A41D-027/24; A41D-031/00; A41H-043/00

31/26, TI/1 (Item 1 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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016634811

WPI Acc No: 2004-793524/200478

Summerwear garment used as pouch convertible swimwear or active wear garment for storage and transport, comprises lower torso garment, pair of pockets, and mating halves of zipper fastener



File 67:World Textiles 1968-2005/Apr  
(c) 2005 Elsevier Science Ltd.  
File 240:PAPERCHEM 1967-2005/Apr W1  
(c) 2005 Elsevier Eng. Info. Inc.  
File 248:PIRA 1975-2005/Mar W4  
(c) 2005 Pira International  
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group

| Set | Items | Description                     |
|-----|-------|---------------------------------|
| S1  | 28    | AU=MATTHEWS G?                  |
| S2  | 28    | RD (unique items)               |
| S3  | 28    | Sort S2/ALL/PY,A [not relevant] |

File 635:Business Dateline(R) 1985-2005/Apr 12  
(c) 2005 ProQuest Info&Learning

| Set | Items  | Description  |
|-----|--------|--|
| S1  | 27     | GEORGE (1W) MATTHEWS   |
| S2  | 193    | CROTCH?  |
| S3  | 0      | S1 AND S2  |
| S4  | 136087 | JUMPSUIT? OR BODYSUIT? OR (BODY OR JUMP) ( ) SUIT? ? OR COVER-ALL? ? OR OVERALL? ? |
| S5  | 1      | S1 AND S4 [not relevant]   |

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200523  
(c) 2005 Thomson Derwent  
File 349:PCT FULLTEXT 1979-2005/UB=20050407,UT=20050331  
(c) 2005 WIPO/Univentio  
File 348:EUROPEAN PATENTS 1978-2005/Apr W01  
(c) 2005 European Patent Office

| Set | Items | Description   |
|-----|-------|---|
| S1  | 26    | AU='MATTHEWS G' OR AU='MATTHEWS G L' OR AU='MATTHEWS GEORG-E' |
| S2  | 7943  | CROTCH  |
| S3  | 2     | S1 AND S2   |
| S4  | 24    | S1 NOT S3   |

3/3,AB,IC/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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015965398

WPI Acc No: 2004-123239/200412

XRPX Acc No: N04-098559

Jump suit, for paratroop, has upper body portion with yoke, main back panel with zippered vents and lower pants portion with left and right leg portions defining crotch opening that is opened and closed using main zipper

Patent Assignee: MATTHEWS G (MATT-I)

Inventor: MATTHEWS G

Number of Countries: 105 Number of Patents: 002

Patent Family:

| Patent No     | Kind | Date     | Applicat No    | Kind | Date     | Week     |
|---------------|------|----------|----------------|------|----------|----------|
| WO 200408895  | A1   | 20040129 | WO 2003US22508 | A    | 20030717 | 200412 B |
| AU 2003252032 | A1   | 20040209 | AU 2003252032  | A    | 20030717 | 200450   |

Priority Applications (No Type Date): US 2002396378 P 20020718

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200408895 A1 E 14 A41D-001/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO  
NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US  
UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB  
GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ  
UG ZM ZW

AU 2003252032 A1 A41D-001/00 Based on patent WO 200408895

Abstract (Basic): WO 200408895 A1

Abstract (Basic):

NOVELTY - The suit has an upper body portion with a back side including a yoke extending from left to right shoulder. A main back panel (4) is coupled to the yoke and a waist and includes zippered vents (23) around a periphery. A lower pants portion has left and right leg portions defining a **crotch** (24) opening that is opened and closed by a main zipper (1). A waistband assembly with a projecting part defines the opening extension.

USE - Used by a paratroop and garage mechanic.

ADVANTAGE - The main zipper controls the opening and enables the suit to be opened higher in the back to provide for opening over the hips to relieve the wearer without burden and without consuming time. The suit is designed to be effective for both male and female users.

DESCRIPTION OF DRAWING(S) - The drawing shows a front elevational view, partly broken away, depicting a jumpsuit.

Zipper (1)

Main back panel (4)

Upper body portion (17)

Lower pants portion (18)

Zippered vents (23)

**Crotch** (24)

pp; 14 DwgNo 1/3

International Patent Class (Main): A41D-001/00